

## SEQUENCE LISTING

<110> Algate, Paul A.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY  
AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.493C1

<140> US

<141> 2001-12-12

<160> 1739

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1

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ctcaccagat accagtcctt tgatcttgga ctaccaggc ttcagaacta taagaaataa 180
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<210> 2

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cgctccaggg gctttgggtt tgccacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcaccttaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
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ttgtcagcac tacatacatc ttttttttgc ggggggcggg ggggacagag tctcactgtg 180  
tactcagac tggagtacag tgatgcgac tcggctcact gcaacctccg cctcctgggt 240  
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gcccggctaa tttttgtatt tttagtagag atgggggttc accatgttgg tcaggctggg 360  
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accaccgcac ctgg 434

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<211> 381  
<212> DNA  
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aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180  
ggcccttccc tgcttggcag cagaggcaga gagagagaga agagagagag acagcttatg 240  
ccattatttc tgcataatcag acatttagta ctttactaa tttgctcctg ctatctaaaa 300  
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acagcatcac agggagacag g 381

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tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180  
cttgtcccg ggcagtaggc atctccgtca aaactcttgt ccctgggtctg tggtaacttt 240  
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ttcgctctgc cccgactcta ggcgggatgt agctcathtt gggatacgag tctccatcgt 360  
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catcatccaa  gggtgagaaa  cagcagagcc  taagtgagaa  gtctgagtca  acaccttggc  240
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<210> 7

<211> 428

<212> DNA

<213> Homo sapiens

<400> 7

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aaatccggaa  gaaagatgat  ggaaatcatg  acccgagagg  tgcagacaaa  tgacttgaaa  180
gaagtgggtca  ataaattgat  tccagacagc  attggaaaag  acatagaaaa  ggcttgccaa  240
tctatttatc  ctctccatga  tgtcttcgtt  agaaaagtaa  aaatgctgaa  gaagcccaag  300
tttgaattgg  gaaagctcat  ggagcttcat  ggtgaaggca  gtagttctgg  aaaagccact  360
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atctgttt                                     428

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<210> 8

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<213> Homo sapiens

<400> 8

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ggacatatct  tgcactcctg  cctcttgact  tcagccgcta  cttccaatat  gaggggtctc  180
tgactacacc  gccctgtgcc  caggggtgtca  tctggactgt  gtttaaccag  acagtgatgc  240
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<210> 9

<211> 344

<212> DNA

<213> Homo sapiens

<400> 9

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tatggtgtgt  taataacaat  aagaaactta  gggaagcagg  ctgtggactt  ctggaattac  180
caacaggaat  gaggaagaaa  gaaaactgga  gtttccagtc  tctgagttct  acctgatgta  240
actcttgatt  ggttttaaga  actttgttgg  ctttcatttc  atatctgact  gcaagctgat  300
ttttctttct  tgctttcatt  ttaattagtc  caaaattaag  tttt                                     344

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<210> 10

<211> 377

<212> DNA

<213> Homo sapiens

<400> 10

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actgagttat gagctccaaa atttgacaaa actctacatt ggctaagttt tagtcatttg 180
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ctaacacaga gggcaatact gttcatgctt ctgattcttg atcacaagaa ttgctttagg 300
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tgctctatgt cacacag                                     377

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<210> 11
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aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
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acagcatcac agggagacag g                                     381

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<213> Homo sapiens

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caagatcctg agtggcatgc gaagccaata tgaggatcat gccgagcaga accggaagga 180
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<210> 13
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<212> DNA
<213> Homo sapiens

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<220>
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<222> 344, 348
<223> n = A,T,C or G

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ccccaaaaaa accatccatc ccatacctagt gtctgggtgg gtccgggtgg gtccatcttc 240
cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300
acagagtagg gtcccctcac ccaaaaaaaaa aaaaaaaaaa aaancttngg ggaaa       355

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<210> 14
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<213> Homo sapiens

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 ggcttctaga gagagaagag aaattacctt ccaaggaaca agaatcnggt tgacagcaga 480  
 cttatcctgg acacactgga tgctagaagt aaatgggagc caatgtnttc aaagggtcttg 540  
 cttggaaaan ggcttttaat cctagaatct tttttccanc canattgcct tttgatttan 600  
 ggggtaancc aaaggnnttt ttntnttgaa gaatttagcn gatttgtttg cattngcc 658

<210> 15  
 <211> 713  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 505, 521, 546, 560, 563, 575, 594, 596, 626, 639, 689, 691  
 <223> n = A,T,C or G

<400> 15  
 ctgcaattac atcatttttt atctatcttc tgcttttact ttgtgtaggg tagggatggg 60  
 gacttacaaa tgggccaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120  
 gagatacaaa gaaagtaact ctccctctta tgaaaagcaa ccagggaactc tactccagtt 180  
 atgagggcca ctgatggtgt gggagagcta tcaagaagat tcttcctaga cgtggtgcaa 240  
 agacagttag aacccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300  
 ctattctatc tcaactttgg ccccatcaaa tctaatgata aacaaaagaa ggtaattaca 360  
 tgtagaaaat caaagtgaat gggaatgtgg tgggtgtgaa ataaaagaag aaattgaaaa 420  
 caatcaaaag tttctcagtg ctgctttccc gcactgtcat agaaatctct gatccaattc 480  
 ttcatatgtc taacttccaa ggaancgggc taacagcaca nacataggat ccaaggcatt 540  
 cttggngcgg aaaattaagn ggngggcccc ctttngaag gggactgcaa ccananggct 600  
 gggaaatcct tatactcccc tcccgncgg ggctaattnc cattggtgaa acaatgttgg 660  
 gggggaaaaa aggttttgc cctacctana ngaaccagag ggcttgttcc ccc 713

<210> 16  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 539, 551, 560, 563, 593, 601  
 <223> n = A,T,C or G

<400> 16  
 ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaatgtt caataaatat 60

```

tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatgggc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat tctctgaatg tgcaataaaa gaagtacttt gtaaaaagtt 300
atgggcaaaa tgtacaaggc cctaaacctg gactaattga aatagcacca taacaaatga 360
cctcaatact gtcaagtgcg cctacttaat aaaagtttta gaacaaggca caatacactt 420
gaaaatctat tgcacttttag gaaatttttg ccgtcttcct atgccactgt aaaaagatgg 480
agcgttttga tcaccgcatt ctggacctcg ggccgcgacc cacgctaagg gcgaaattnc 540
agcacccttt ngcggggccgn ttncctagtgg gatcccaact cgggtaccca acnttggcgt 600
naatcatggg ccatta 616

```

```

<210> 17
<211> 733
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729,
733
<223> n = A,T,C or G

```

```

<400> 17
ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggt ggcatggaag acactgcaat aaaaggtagc aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tgggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt ccttttaagt tttctaagta cgtctgtagc atgatgggat 420
agattttctt gtttcagtg c tttgggacag attttatatt atgtcaattg gatcagggtg 480
aaattttcag tgtgtagttg gcagatattt tcaaaattac aatgcattta tgggtgtctgg 540
gggcangggg aacatcagaa aggttaaatt ggggcaaaaa tggcgtaagt cacaaaaaat 600
tggaatggtg caagttaatt gttgaaagta cancaatttc anatttattg gcananattt 660
agangttggt tacattttta cttggccgga acacctaang gcgnaatnca cacactggng 720
gngtatang ggn 733

```

```

<210> 18
<211> 148
<212> DNA
<213> Homo sapiens

```

```

<400> 18
ggcaggtaaa gtaagtcgtt tccttttatt tgaacaccta gggggcattt tagagttata 60
attagcccaa tttctatata attttgtctc aggggaataga agcgtgaggg agggagagag 120
ttgggggaat ggctggttgg tagagtgg 148

```

```

<210> 19
<211> 130
<212> DNA
<213> Homo sapiens

```

```

<400> 19
aaaagacctc aagaaagcaa cgaaaggaac gcaagaacag aatgaagaaa gtcaggggga 60

```

ctgcaaaggc caatgttggt gctggcaaaa agccgaagga gtaaagggtgc tgcaatgatg 120  
ttagctgtgg 130

<210> 20  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 20  
ctgccccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggag cggtggcgga 60  
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120  
aatgacaaa gaggcagcag gagaggggccc agccctgtat gaggaccccc cagatcagaa 180  
aacctacccc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggct 240  
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300  
gtgccttcaa gagaccaa atgttcagagaa caaactacca g 341

<210> 21  
<211> 698  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619,  
622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685  
<223> n = A,T,C or G

<400> 21  
ctgttgaaat gaagcacttt acagtccttg tggcagcaga atatacttgt ccatggttca 60  
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcaccga aatcttcaca 120  
tggaggggga gggggtgggg aaaagaagga aaaaaaggga aaaacaacca aaataattta 180  
agtaaattgac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240  
ttaaactcaa tttatagcta tgttaaacta cgtaagaacc actatactga aagaccattt 300  
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360  
acctaaagaa gtttaactga agcttagaac tattttgctc tacaccctca gctttcggtg 420  
gnatccttat aaactactgt attaaagggt ttgtagaac agcacagttt tttaagactg 480  
gcttgaactt attangccgt caanagttct cttgnactan nacctgtgtc ccttgagagt 540  
cctcgctggg gttatttcct ttccttnntt tgaaaaancc agctttttaa aaatttaaaa 600  
ggggtttctt ctngcagana tncccntaag tanccacntn ccttatcctg agaanggcna 660  
cacncactta ntttaccgct ttntnttttc caaattac 698

<210> 22  
<211> 58  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 22, 26, 34, 35, 43  
<223> n = A,T,C or G

<400> 22  
tcccaggccg atctcaaact cntganctcc taanncacct gntcagacc cccaaagt 58

<210> 23  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 23  
 ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgccaac 60  
 tgtcaacctt gacaaattgt ggacttttgg cagtgaacag acacgggtga atgctgctaa 120  
 aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180  
 gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240  
 agctgaggag aagattaaga gtgttggggg ggcctgtgtc ctggtggctt gaagccacat 300  
 ggagggagtt tcattaaatg ctaactactt tt 332

<210> 24  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 24  
 aaaaagggtg tagaggacat tgaatacctg aagttcgata aagggccgtg gctcaagcag 60  
 gacaatcgca ctttatacca cctgcgatta ctggttcagg ataagtttga ggtgctgaat 120  
 tacacaagca ttcttatctt tctcccgga gtcaccattg gagtcatca gactgaccgt 180  
 gtcttacatc agttcagaga gctgccgggc cgcaagtaca gccctgggta cagcaccgag 240  
 gtgggagaca agtggatctg gctgaagtga acg 273

<210> 25  
 <211> 615  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 553, 556, 564, 598  
 <223> n = A,T,C or G

<400> 25  
 aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60  
 ttttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggatgt 120  
 tcaagatcag taaattttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180  
 cttaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240  
 gagcttttca ttacattgtt gaaagatgaa gaacgaaagc tacttggtga tcagatgagg 300  
 aagagatccc ctagagtaaa tctgtgcatt aaacctgtaa cttcatttta tgatatccca 360  
 gcttcagcaa gtgtcaacat tggtcagtta gagcatcaac ttatattgtc agtggatcct 420  
 tggaggatta gacaaatttt aattgaatta catggtatga cttcagaacg ccagttctgg 480  
 acagtgtcta ataagtggga agtaccttct gtctatagtg gtgttatcct gggaattaaa 540  
 gacaatttaa cangangatt tggnttatat tcttatggga cctgcccggc ggccctcnaa 600  
 agggcgaatt cacac 615

<210> 26  
 <211> 714  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 562, 568, 573, 575, 578, 593, 614, 623, 629, 635, 665, 673,  
 682, 684, 702, 705  
 <223> n = A,T,C or G

<400> 26  
 ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60  
 agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120  
 gagcaacaaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180  
 ataaatctat cttcaaagac atattagaag ttgggaaaaat aattcatgtg aactagacaa 240  
 gtgtgttaag agtgataagt aaaatgcacg tggagacaag tgcatcccca gatctcaggg 300  
 acctccccct gcctgtcacc tggggagtgga gaggacagga tagtgcattg tctttgtctc 360  
 tgaattttta gttatatgtg ctgtaattgt gctctgagga agcccctgga aagtctatcc 420  
 caacatatcc catcttatat tccacaaatt aagctgtagt atgtacccta agacgctgct 480  
 aattgactgc ccttcgcaac tcaggggcgg ctgcatttta gtaatggggg caaatgatta 540  
 ctttttatga tgcttcacaa gngccttngc ttntnttnc aacttgacaa aangcaaaag 600  
 gagaaaaatg atcntatctt acnttaccna cagcngggac ccctttttta ataactggca 660  
 cctntttttc ctnccggcgg cntnaaaggg gaattccccc cntgngcggt ctag 714

<210> 27  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 27  
 ccatcatcgc acaaggaaac tggtttcata ctgaagttta agactgagtt ctacacctgt 60  
 gggcttctac actacggaac gggagtgggg gggctgaaaa gcttattaat atactttgtc 120  
 ttagcccaca ctgcaaatac agcactatta tggcatctta atcaagcaga gagctgttca 180  
 catgctttct acagtatctt tataaataaa aggttccttt atccacacaa caacacctga 240  
 aatgatctaa gttcaaaaaca ttagtatata aggacctaga taatgggaca tgtgaaaact 300  
 tagtacattc aatttaggtt ttggacactt agttggataa acaagtttat ttgtaaaatt 360  
 agtcaacata cataattgac ctaaaaactt cagttaaattt t 401

<210> 28  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<400> 28  
 ctggcaacaa acctgaccac atgattaagc ctgttgaagt cactgagtca gcataaataa 60  
 agactgcaca ggagaattac ccctatacct gagcctcaac cttctggggg aaggggaact 120  
 agataacata cttcttactt gtctgtacag taccttggtg cagatgggtg atatataatg 180  
 gtaatagaat agcacagcca gacttgcttc ctgcatggta gggagagaca caaaagatgg 240  
 gaaactgctt ttccacaagg aatctccgta gaattttgcg gcgaccagat ggtgcatagg 300  
 tctggaaggt ctgatctccc ttggtcttcc atgggatggg tagtgtggag gggagatata 360  
 gattgtccgg ccgctttgtg attccatgga ttgattcagt cttctggatt tttttttctt 420  
 tatattttgg gtactggagc tttt 444

<210> 29  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 29

```

gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaacccat cacccttgag 60
gtcgagccca gtgacacccat tgagaatgtc aaagccaaaa ttcaagacaa ggaggggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag 159

```

```

<210> 30
<211> 168
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 49, 117, 134, 136, 142, 161
<223> n = A,T,C or G

```

```

<400> 30
cctcgagtct agtgaggcgc ntcagaaatt cgcaggagcc aaagccatnt catctgacat 60
gttcttttggg cgggaggtgg atgcggagta tgaggccagg tctcggccgc gaccacncta 120
agggcgaatt ccancncact gncggtcggt actagaggat ncaagctc 168

```

```

<210> 31
<211> 685
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 326, 331, 336, 353, 371, 377, 384, 386, 408, 426, 430,
439, 495, 529, 538, 564, 575, 587, 597, 604, 608, 621, 624,
634, 641, 645, 652, 667, 668
<223> n = A,T,C or G

```

```

<400> 31
aaatttgagg tggctttaag aataacaaat gaacagaatt ccaaattttt gaaataggtg 60
aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca agaccagcaa 120
tgtaacttta ttttgtacat ttttgaattg aaaatataaa caataattaa aaaataaaaa 180
gaaaatacac cataataaaa aacatacgct tctcaattaa atgtactgga tacatataaa 240
ttttaaggga agaagcaaaa aaggaaaatg attgatattt aagtgcagac tgactaccta 300
gacaaaaaaa aaaaaantta aaaaantttc ntaaaancctt tagttttttt atnactaata 360
tccatatggg nggagtnctg ccantntgga agggattttg ttatgttngc atatgttaca 420
ctttcngggn aattacatna tggcttttaa ggccctggga ggcttgggtt ttggaaacaa 480
aattggataa aaatncttgt taaaacgcaa tacccttat ttttttggn ccccattngc 540
aaaaaaaggg aaaattcctt ttanattttt ttacncccaa atgcctnaac ttttacnttt 600
acctggncg gaacccctta nggngaattc cacnccttgg nggcnttcta gnggatccca 660
cttgannaa ctgggggaaa atggg 685

```

```

<210> 32
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<400> 32
gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaacccat cacccttgag 60
gtcgagccca gtgacgccat tgagaatgtc aaagccaaaa ttcaagacaa ggaggggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag 159

```

<210> 33  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 84, 90, 93, 94, 102, 113, 127, 130, 131, 189  
 <223> n = A,T,C or G

<400> 33  
 gtagttctga acgtttagata ttttttttcc atgggggtcaa aaggtaccta agtatatgat 60  
 tgcgagtgga aaaatagggg acanaaatcn ggnnttgga gnttttccat ttncatttgt 120  
 gtgtgantcn ntaatatataa tgcggagacg taaagcatta atgcaagtta aaatgtttca 180  
 gagaacaant ttcagcgggt cactttataa taattataaa taaacctgtt aaatttttct 240  
 ggacaatgcc agcatttgga tttttttacc tgcccggggc ggc 283

<210> 34  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 34  
 ccaacatctg gcttctaaag gaaaggcttt tgggtcttttc aatcacttgc tgataggggtg 60  
 agactgcatt gttacccata accacatgac ctaattttaga atcaatcttg gcatccagtc 120  
 ttgcatttct aatcaaattt acaatccacc tttcagcttc ttctggagtc atgttcaatt 180  
 tatctgccaa catgttaatg ctgatacact ggtggatgag acagaaagtc tcaaatatga 240  
 agagacgggc attttcaatg aaatcctcaa gacaagccac caagaagaag tcattcacaa 300  
 gcactgattc acattccctc agctttttct gagcccatc aaagtcaaa 349

<210> 35  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 526, 540, 565, 568, 576, 582, 584, 591, 608, 650, 695, 708,  
 712, 729, 730, 732  
 <223> n = A,T,C or G

<400> 35  
 attttgtttt ataaccactt ctaaataattc tcggttcttt ctttttggtt ttgttaatta 60  
 aggggttttt gttttgtttt ctgtttactt tgtgtgcaac tacctgcttt taatgactca 120  
 ctttgatcaa atgacagtga acaaagccag cccaagctgg taagggtgctg ttcacttgaa 180  
 cagggtgctgt tgcgcagaaa ggaaactctg tgactaattt agatagtggc tttccttctt 240  
 ctggattctt ttcatlgaat tctcacagta aatatttacg gagttttcaa attgcagcaa 300  
 atatactgta tgagaaaata ttaatacaga ttaaaagcct ttcttacatc ttgaaaattt 360  
 tctaataattt gagaatttca cagggatgtt ttttatattg gacccttttg actttccagt 420  
 cctgtgactt tctactttta gtagagagtc agaactctct gactggagaa taatgaagaa 480  
 gttcactgac tgtgcactgt gcttagagac cctgcccga ccacantgcc aatgcttgn 540  
 agacacatgc ccttcggcag cattncanac cagganggga ananaagaa naaaactttt 600  
 tttccttnta cttaaaaaat taggcagctt aaaaccttag ggtttttttn ttaacataac 660

caaatttcaa tctttcctta tttgacactg ggtanaactt ttgtttgntt anactttttg 720  
gtacccagnn an 732

<210> 36  
<211> 119  
<212> DNA  
<213> Homo sapiens

<400> 36  
aaagccatca ttatatatta aaagagcaga ggtaattctg tcttctccgg ttgtgcagca 60  
cgatctgctc cagctcgtca tgccagggcc cggaaaacct ccaccttctc ccggtacag 119

<210> 37  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 37  
ccactttctt tccacactgg gaaggcggca tctatgactt cattggggag ttcataagag 60  
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120  
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180  
cccgtgcat tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240  
agatgagcat agactccaac atcagtcctgg tccattacat cgtcgcgtct gctcaggtct 300  
ggatgataac acgctatgat ctgtaccaca ccttcgggcc ag 342

<210> 38  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 38  
aaatgaagtc tctgaagac ctctcttctg gcaaaaaaaaa cactatcag actctgggaa 60  
aacattcaga cccacttcta gctattactg aaataaatga ttagaaagtt acgttggtga 120  
gccgaagtta aacctaaagc tatcccctgg atctttctag caataaaccc atgttgaacc 180  
taccatgaaa actttcattc actgtgcttt tggttacgtt gcttcctgat tagtcattaa 240  
ttttaatgag gttttttcct tgtgttgagt atgaatagac cttacagttt gaggatctct 300  
agaattccct gaattattgg aaagacattc atgactocca gtgtgactag ttaagagccc 360  
cagggagcct gtgaagacta gaatctacaa gtaacctgca ctaagaacga aattcagtaa 420  
aggagactca agcttagctc ctgg 444

<210> 39  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 354  
<223> n = A,T,C or G

<400> 39  
aggtcactgg aatcaatagt taacaagatg gttgtccttt ggggccacag gtgtgttgct 60  
aacctccact tttcttcctg atttgctttg ctttcggggg tttgaggatg gtgtagtta 120  
cgtacactgt atactgatct gacaggaagg ggacatagaa tgcccgcagc agctttgaag 180



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atctagaagc atcaaggaat ggtctatagg ccaagctgat ccattcttct ttattggatg 240
aatatitttg ctcccggggg gtttctctca tgggtgtccaa atccactaaa taatggcatt 300
tactgatatc aatatactct gatggctctt ctagattctg gtcattcatg tcantaggaa 360
caatccgggt gg 372

```

```

<210> 40
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 40
aaagcaaata caaaacagaa cagaggattc aaaccgcaag tatgggagat ttaggccctg 60
cagaggcaga ccatcctta gtatctcaca aagcagagta atactggagg cagagtaggg 120
ggtggttga gagcagttag tacaaagagg cagaacagt tctggtttac ttggcataca 180
cagaatctgc actgccggtt ccagaactgc aaagtgtgtg aactacagga gatgtgggta 240
tttagactcc aaagtttata ctgagctcag tgccctgggac cgctccag 288

```

```

<210> 41
<211> 682
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 487, 515, 563, 565, 600, 615, 618, 626, 634, 638, 664, 669,
673
<223> n = A,T,C or G

```

```

<400> 41
cctgagaccc tcaacagtg tgtgtgtaca gaaggccccc agaatccaca caaagggggc 60
gcctgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactggtgga ttttaatgag agtcctgtgt ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagtagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggtctg tacacgcttt tgtttgctta cgcttggtga actgagtttt 360
tcatatgtaa ctaacgaata ctggcacatg atctgaacgt ctatgacact ctttcgagct 420
tgacacagtg aagaacatag aaggagactc acccatctgc cagggtcaca gaatgatcat 480
actcaanatt ttctggggag tcaatggcaa attttctggg tatttttacag atgaagaagg 540
acttaagaag gtcttgggac ccnancacg gacacccctt actgattttt ggaacttgtn 600
tttggacttc gccgnacncc ttaggngaag tcanaccntg ggcgttctta tggatcccac 660
tcgnccaant tngtaatat gg 682

```

```

<210> 42
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 250, 265, 294, 299, 306, 317, 328
<223> n = A,T,C or G

```

```

<400> 42
aaagccaact cttctatata atcagtttga tgatctgaat tagaaaatac cgctggataa 60

```

```

tcatgttctt gatacacatt tccttttttt ttgagatgga gtctcgctgt tgtccaggct 120
ggagtacagt ggcgcgatct tagctcaccg caacctccgc ctcccgggtt caagcgattc 180
tcctgcctca gcctcccaag tcaactgggat tacaggcgta caccaccatg ccgggctaata 240
ttttttatgn ttaggcagat ggggnnttcnc catgctggtc cgggctggct tgangccent 300
ttcttnatag ggccatnagg ggaaaagngc ttgcctaacc ccccat 346

```

```

<210> 43
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 261, 281, 287, 305, 309, 311, 317, 323, 343, 349, 354, 358,
388, 394, 397
<223> n = A,T,C or G

```

```

<400> 43
ttcaagaat cacttttagg cttacaaaaa taaatatttg tcaaaatggt caataaatat 60
tacataaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
caagctgctg tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat nctctgaatg tgcaataaaa ngaagtnctt tgttaaaaag 300
ttatngggnc naaatgntcc aanggcctta aaccttagac ctnattggna attngccncc 360
cttaaccaat ggaccctcga attcttgntc aagnggnacc ttccttcatt 410

```

```

<210> 44
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 275, 325, 347, 349, 354, 410, 415, 419
<223> n = A,T,C or G

```

```

<400> 44
aaataataca gaacaattaa agctaaccac gtgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcacaaa ttccaaaaac aatccaaata 120
acttccaaac tactagcggg caaactaccg aataaaacttg atgcagacca gtattcccaa 180
gttgcaatag tatccaatga ctttgctgaa atgcataaaa tggacaagcc taggtatctg 240
cgcaaccagc aggttttttt ttgtgnccaa ggctngagaa tgcttggtta agcttgcca 300
gaaaactctc aaaaggaact ggtncttgc cttctttttt ctttaanana cttnaaaatt 360
ttgaataaaa aacccttctt ggggttttgg aacaatttct aaaggggttn cccanattnc 420
ctcccccaaa aaaattttta agcttccttt ggggaggg 457

```

```

<210> 45
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 185

```

<223> n = A,T,C or G

<400> 45

```
gaagactatt ctcagcaatc agactgtcga cattccagaa aatgtcgaca ttactctgaa 60
gggacgcaca gttatcgtga agggccccc an aggaaccctg cggagggact tcaatcacat 120
caatgtagaa ctcagccttc ttggaaagaa aaaaaagagg ctccgggttg acaaattggtg 180
gggtnacaga aaggaactgg ctgccgttcg gactattttg tagtcatgta cagaacatga 240
tcaaa 245
```

<210> 46

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 151, 190, 200, 214, 225, 226, 248, 270, 274, 279, 282, 289,  
290, 303, 306, 309, 315, 320, 331, 333, 338, 349, 352, 358,  
359, 365, 369, 374, 378

<223> n = A,T,C or G

<400> 46

```
aaatgagggt ttaataatct taattatcta ccaaaagtag attacgacgc atgaagatca 60
cataaaatga acttcacttc tcagcatcac aaacatttgg aatacaaaaa gtccagggat 120
ggatattaga agtaagaaaa gtacaaaaga ngtttgctta gaaataacaa aaaattaaaa 180
aaaaaaaaan ggatcccccn tccccccaat cccnataatc ggggnntagg caaccatcgg 240
ggtaaagnct cccttttgct cactcctgtn taanaatgng gngcccacnn aactgggttt 300
ttncanttnt tgtgngccan aaaaaccctc ncnccctngc ccgggggggng gncgttttna 360
aaagnggcna aatntccnag c 381
```

<210> 47

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 19, 50, 145, 151, 155, 262, 267, 273, 287, 311, 327, 328,  
331, 342, 353, 355, 356

<223> n = A,T,C or G

<400> 47

```
ccgggcangt aaatttgang tgggtcttaag aataacaaat gaacagaatn ccaaattttt 60
gaaatagggtg aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca 120
agaccagcaa tgtaacttta ttttngcatt nattnaattg aaaatataaa caataattaa 180
aaaataaaaa gaaaatacag cataataaaa aacatacgtt tctcaattaa atgtactgga 240
tacatataaa ttttaaggga anaagcnaaa aangaaaatg attgatnttt aagtgcagac 300
tgactaccta nacaataaaa aaaaaanntt naaaaaaatt tnattaaccc ccntnnactt 360
tttg 364
```

<210> 48

<211> 486

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 325, 344, 381, 426, 438, 450, 455, 465  
 <223> n = A,T,C or G

<400> 48  
 ggcggctacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60  
 agcaagtgag tgcacttcca ccacctccaa tgcaatatat caaggaatat acggatgaaa 120  
 atattcaaga aggcttagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180  
 ttggcaatca gtcccaatgt gatgatctta tcatccgccc tttggaaagt cagggcatcg 240  
 aacggcttca tcctatgcag tttgatcaca agaaagaact gacaaaactt aatattgtct 300  
 atccttatta atttctttgg gacnttcag atattttaat taanggagcc cctgggagtt 360  
 taaaacgaga aagagaaaact ngaaagatct taaagctggg tttttgtaca cgtgcatcat 420  
 cttatnaatg aataccgncc ccaccaagcn agaanaacct tgaantcatg atggaggggcc 480  
 agaaac 486

<210> 49  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 285, 323, 328, 343, 353, 354, 357, 373, 385  
 <223> n = A,T,C or G

<400> 49  
 aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatagcttc 60  
 aaaactgcag tggcgagtgt ccactcttta gttagctacc ttaactgtcc acccttacta 120  
 cctgtgggat cgttacctgg tttgtcttct ctgtgtcctg gagcaaagcc agttcctaaa 180  
 actaaaactc cattctagtc ttgggaagaa aagtttctac tcagaactgg ggaaggagtg 240  
 gaacttatga cttagggcctc taggctgtct ctgtcccctc agctncccga catgcattta 300  
 ctctctgccc ggggtctgca gtnggttnca accctaccct ctnttttggc ctnnagnctt 360  
 tacaacccaa ggnaagaagg gctnngggct ctccct 397

<210> 50  
 <211> 92  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 72, 84, 85  
 <223> n = A,T,C or G

<400> 50  
 cgcgtgaaga ggaagaatgc caagaagggc caggggtggg ctggggctgg agaccgacga 60  
 ggaggaggat tnagtcact tgnnctctg gg 92

<210> 51  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 219, 254, 256, 284, 296, 302  
 <223> n = A,T,C or G

<400> 51  
 aaagtatatg gaagatgtgc aaagggttata tgcaaatact gtaatatattt atataaatga 60  
 cttgagcacc tgcagatttt ggtatccctg agagtccctg gaaccaatcc ccttcagata 120  
 ccaaggaatg actgtacatg ttgggtagaa aactagttgt ctctacctag tctccattct 180  
 ggtcacttct ttagtttcct aatttcagag taaggccant ctcccttctgt gatgggtaat 240  
 tttgtgtcaa cttinantgaa ccaagggatg cccagatacc tggntaaaca tttttncacg 300  
 tngtgt 306

<210> 52  
 <211> 541  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 326, 334, 345, 366, 368, 393, 397, 418, 452, 458, 473, 479,  
 488, 501, 502, 504, 511, 515, 516, 540  
 <223> n = A,T,C or G

<400> 52  
 aaaatgttac acaaatttct ttatgatagg acttctcaga gcttttagca ttctaattgca 60  
 gagtggaat gtgaatggca ggattcagta taatcagcac gtcccaactc tatctgaaca 120  
 cagaactctt gttctgcata tcatcgattt gcacaccctg gaacaacggt tggtagaaat 180  
 caacttggga aatgttgcac agcatgagtg atgaatacag ctaagttagg atcaaagtac 240  
 aggcgatatct cgttttactg cacttcactt tactgagctt catagatatt gtgcttttac 300  
 aaattgcacg tctgtagcat cctcctttga caantctatt ggtgncattt ttccaagagg 360  
 atatgntnac ttcattgtctc tgggtcacat gtngggnaat tctcacaata tttcaaanat 420  
 cattattatt ttattctgtt ccggtgacct gngggcangc gagcttttat gtnactatng 480  
 tatgattngg agggcccgcg nntnacaacc ntttnaatg ggtagctgta ttataaaatn 540  
 g 541

<210> 53  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 188, 214, 221, 249, 250, 267, 305  
 <223> n = A,T,C or G

<400> 53  
 aaaaaaatcc aaatgctggc attgtccaga aaaatttaac aggtttattt ataattatta 60  
 taaagttgaa ccgctgaaac ttgttactg aaacatttta acttgcatta atgctttacg 120  
 tctccgcatt tatattaaaa attcacacac aaatgaaaat ggaaaaactg ccaatacctg 180  
 atttctgncc cctatttttc cactcgcaat catntactta ngtagctttt gaccccatgg 240  
 aaaaaaaan ttaaccgttc aggactnccc attaccggaa gaaaaaaaat tttttttttt 300  
 ttggnaaaaa aaaaagttcc c 321

<210> 54  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 322, 394, 457, 481, 485, 510, 528  
 <223> n = A,T,C or G

<400> 54  
 aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60  
 ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120  
 tgttccccctg cccccagaca ccataaatgc attgtaattt tgaaaatatac tgccaactac 180  
 aactgaaaaa ttttaacctg atcaattgac ataataataa atctgtccca aagcactgaa 240  
 acaagaaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagaagta 300  
 aatatcagct cagtgattta tnatgaagct aataaaattc aaggccagta ttcttaagt 360  
 taatgaacat tatttgaaca ttcacacatg aaanggtaac aaagggtat gaacttgggg 420  
 taactttaaa acgtttcaga tgtccggagt tcaccanata taattggatt caggtgggat 480  
 nccgncgctc ctcggccttt ttaagtgaan gcgtgtgctg cctgactngg cgctgcttg 540  
 gcctcag 547

<210> 55  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 315, 321, 327, 336, 358, 364, 367, 369, 383, 392, 425  
 <223> n = A,T,C or G

<400> 55  
 aggagacagc cagaagcaag cttttggagc tgaaggaacc tgagacagaa gctagtcccc 60  
 cctctgaatt ttactgatga agaaactgag gccacagagc taaagtgact tttcccaagg 120  
 tcgcccagcg aggacgtggg acttctcaga cgtcaggaga gtgatgtgag ggagctgtgt 180  
 gaccatagaa agtgacgtgt taaaaaccag cgctgccctc tttgaaagcc agggagcatc 240  
 attcatttag cctgctgaga agaagaaaacc aagtgtccgg gattcagacc tctctgcggc 300  
 cccaagtgtt ccgtnggtgc nttccanaag cagggngtat gctcacattc atggcctntg 360  
 acancgnang aagaagtggg gtngatggag cngacgtccc taatgtccgg cttgagagcc 420  
 ccacnccgc gctcctgcc 439

<210> 56  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 303, 332  
 <223> n = A,T,C or G

<400> 56

```

aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agaccctca attcactcat 60
atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agttttatatt 120
atattatttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180
tggcctcggg tcaactgcaac cttgcgctcc cgggtttaag caattctcct gcctcagcct 240
cccaggtagc tgggattaca ggtgcatgct actgcgcccg gctaatttat gtatttttat 300
tanagatggg gttcaccata ttggacctcg gncggacca 339

```

```

<210> 57
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 162, 172, 232, 240, 246, 252, 271, 273, 296, 313, 324, 370,
380, 418
<223> n = A,T,C or G

```

```

<400> 57
ctgcccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggag cgggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggcc accctgtatg angaccccc anatcagaaa 180
acctcaccca gtggcaaac tgccacactc aagatcttct cttggaatgt gnggatgggn 240
ttcaancctg gnttaaaaa aaaggattat ntngggtaaa ggaagaacc cagatntact 300
gtgccttcaa ganaccaatg ttcngagaca aactccagac ctcgcccgcg acacctaaag 360
cgaattccan acactgcggn cgtctagtgg atcgactcgt ccaacttgcg tatctggnat 420
actgtttctt ga 432

```

```

<210> 58
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 58
aaaatcctga ttttgagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttgatt gttatttttt gtttgcaatg gggaaattat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaat 180
aaagattttt ttactacaaa aaaaaaaaaa aaaatat 217

```

```

<210> 59
<211> 566
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 252, 285, 298, 332, 337, 415, 445, 469, 472, 473, 479, 487,
494, 515, 531, 543, 551, 557
<223> n = A,T,C or G

```

```

<400> 59
cctacacgcc gccgcttggt ctgcagccat gtctctagt atccctgaaa agttccagca 60
tattttgcga gtactcaaca ccaacatcga tgggcggcgg aaaatagcct ttgccatcac 120
tgccattaag ggtgtgggcc gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180

```

```

cctcaccaag agggcgggag aactcactga ggatgaggtg gaacgtgtga tcaccattat 240
gcagaatcca cnccagtaca agatcccaga ctggttcttg aacanacaga aggatgtnaa 300
aggatgggaa aatacagccc aggtcctagc cnatggngctg gacaacaaag cttccgtgaa 360
agacctggag cgacttgaag aaagattccg gccccataga ggggctgggg tcacnttctg 420
gggcctttcg tgtccgaagg ccagncacac ccaagaccac ttggggccgnc cnngggccng 480
caccgcnggg gtgntgtccc aagaagaaaa taagnctttt aggacctccc ngggcggggc 540
ttngaaaggg ngatttncag gccact 566

```

```

<210> 60
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 221
<223> n = A,T,C or G

```

```

<400> 60
cctgggtgcc tactctggga gcagcgactc cgagtccagc tcagacagcg aaggcaccat 60
caatgccacc ggaaagattg tctcctccat cttccgaacc aacaccttcc tcgaggcccc 120
ctagttttctc cgtccttaca caggagctc ctccccaagg gtagatcgga ccgttcatgc 180
tgcctatagg cattatgtcc ctcaaaaaaa aaaactcctt ngcctgcac cttgt 234

```

```

<210> 61
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 215, 340, 344, 362
<223> n = A,T,C or G

```

```

<400> 61
ccaccatttc cctgcatcg tctctcctac gtaatcagtc cctgatgaac tctcttccca 60
taaaaatccc tgtgtcctaa agtcatggcg tgctctatct catggtcatt tgtagagcac 120
agcagcactg tgctgtcag gaaaagtgtg tgctaactgc aataagcatg atgactgcca 180
tcacggtttt gttattctct gtccacctcc atggngctta aatcagacaa tctttaatct 240
gaaaaggcag tgtccttatt cctccaggaa actggataga aaagctctc atctaataa 300
gcaagccctg tcatcttact gattctttcc cagaccacan gtgnaaaggg gccttcggcc 360
gngaccaccg ctaaa 375

```

```

<210> 62
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 249, 251, 305, 309, 313, 328, 334, 340, 350, 372, 384, 390,
394, 401, 408, 413, 422, 440, 441, 442, 450, 453
<223> n = A,T,C or G

```



<400> 62

```

gggtgggaag agaagaaata gcagagccta ttttggtgag gttttttggt ttttaagtcaa 60
agaagactca gtatgctttc cctgaggaat gaaaaaggga ttgaggagtt gcctgactcc 120
tgggtgggtg ggggtacaggc agttagggtgc tgaatgaagc tgccatcctt gctgcagctt 180
ctaactggta aaaagatcca gggatggaga tgggaagggtt agaaaggcag ccctcacctc 240
tgaggacana ngccgggggtc caggccctcg ggcgcaaagg tgccatcatag catagccagc 300
atttnagtnc tcncaaacct actggccnca tttngggctn aggggtggn cctgctccgg 360
gccggcccct tnaaaatggc gaanttccan cacncttggc nggtccgntg ccnattggga 420
tnccccctc ccgtacccan nnctttgggn ttnat 455

```

<210> 63

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 332, 455, 490, 532, 541, 548, 559

<223> n = A,T,C or G

<400> 63

```

ctgacctgac tttgcttttag gtcattcttt tttatgccag cactgtttga aagtgcattgt 60
caagcggcta gctccacatt tggctttcga aagggaacg catgcagtta aaacgtaatg 120
tacatgatgg aattgggagg atcatagtct cagtttcccc ccctctttct cccatctagg 180
agacctccgt ggactgcagc aaaattaaaa ataaagcaca gacaacagaa ttattcttca 240
ctgagagagt ttaatacgcg tttctaacac catctatact tgctttggtg ttcttgaggt 300
catcaacaca cattctgggt attccagact anaactcttc tggttgctaa ctcagtttta 360
agaagatgaa agacataact agacttaccg tatttcagta gtttgctctt taatttttcc 420
cttactctta atttcaggcg acctccaaga aaggnatcaa gtccgactgg gataaaccag 480
atggagaaan gtcacagatt taaggaaaaa aagcagatct tgcccaccca gngaaaatca 540
ncattgangg caacaaaang 560

```

<210> 64

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 11, 25, 35, 39, 44, 47, 52, 73, 82, 84, 100

<223> n = A,T,C or G

<400> 64

```

tttttttttt natcctgcc caatnttttt aattncgtnc aaanatntga cntgtcaccc 60
agggacccat ttnaccact gntntgtttg gccgccagtn ttttg 105

```

<210> 65

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 284, 324, 334, 344, 346, 349, 401

<223> n = A,T,C or G

<400> 65

```

aaaaactgac taggtcaaaa atagttacgc ctgcagggtg acctattcag actttgccaa 60
actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120
gctgttcctc cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct 180
gcctgtttgc tgcggaactc tttgagctgc tgtagccgct cgatagtttc agaaatggtg 240
cgttccccgt ggaccttatt gtctcttgtg cggatattaa cagngccact gattttctct 300
ttttcccaac cacctaaaat gganggtata ctgnggctta ctgngncant ttcgaatctt 360
ttttattcaa tgggtaccagc cctgggatcc cagaatcaaa ntgggtcttg cccttgga 420
ttttggg 427

```

<210> 66

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 328

<223> n = A,T,C or G

<400> 66

```

aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
actcttgatt ggttttaaga actttgttg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattangt cccaaaatta aagtttttac cttgccccgg 360
gc 362

```

<210> 67

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 181, 184, 213, 217, 219, 235, 240, 246, 267, 275, 276, 281, 285, 287, 298, 305, 312, 314, 323, 332, 339, 345

<223> n = A,T,C or G

<400> 67

```

cctgacgttt agagaaggtt acaaaggcgg ccaggatctg agtatttcca aaaagctctg 60
gaggcagcat tgaggtttcc ttccagttga atcactgact ttaggtcgac tggggactt 120
tgggtttttt gggccatttt ttgggggtgt gggaagcttt tctcacagat ttactacgag 180
ngngaaaaaa cttggcctct ggcttttttg gantctngnt cgcacttttc ttccncagcn 240
aaggantttt ttcccttact gcctctnctt tgatnnttag nttgntnctc tgggcttntt 300
ctctnggggc cncnaaactc ctncagcttt tngggggtnt tcagnatgct tggcttg 357

```

<210> 68

<211> 395

<212> DNA

<213> Homo sapiens

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<220>

<221> misc\_feature

<222> 232, 250, 259, 295, 298, 302, 308, 312, 316, 323, 335, 343, 355, 359, 362, 366, 373, 383, 385, 390

<223> n = A,T,C or G

<400> 68

```
ctgacattta ttatttttgtt ttcattttcc tttttgcgtc tttatgtttc tttcgacaat 60
ccatacgcag gttggttggt ctggcctccc aagagttcct gctcatatta cttcctactc 120
ctctccagaa taagtcagaa ccttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa angagagaga 240
aaaataggtn ttggttggtt taatttcaat atttaagaag aaatatttac attcnaaanac 300
aaaaaatnca cnattntggt aanattatat ccttnttcag ttccccccct tcaancccnng 360
gngganccgga agnactcttt aantntatcn tgcct 395
```

<210> 69

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 244, 246, 282, 301, 327, 328, 331, 344, 345, 346, 356

<223> n = A,T,C or G

<400> 69

```
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt tttgcaagac 120
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctggttcag 240
cttnangaaa aagccttggt tgcagtcgct aaaaattaca anctggtagc tgcaccattg 300
nttgaaattt ggttgacgat ggcaccnngg ntttgggacc cctnnntttt ttagtntttc 360
ctt 363
```

<210> 70

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254

<223> n = A,T,C or G

<400> 70

```
cctattctct tggtgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtcagacc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgccaccacc agcaggggct cctgcagnat gagcaccttg 180
ttgaacgtgn agtggaccac aatgnnctga atgggctgnt ctaccanatn tttctttagt 240
ggcnacantc acnnggcggc caaatgtgg 269
```

<210> 71

<211> 546

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 420, 455, 535, 544  
<223> n = A,T,C or G

<400> 71  
aaactaaata tataaatcta taatgttaaa catatgttca ttaaaagcat agcactttga 60  
aattaactat ataaatagct catatttaca cttacagctt ttcatttgat caggtctgaa 120  
atcttttagca ctttaaggaaa atgactatgc ataattatac ctgacccatga aaaaaataag 180  
tacctcaaat gcatgcattt gcaactgggtga ttccaactgc acaaattctt gtgccatctt 240  
gtatataggt atttttttaca tgggttgaca tgcacacaac accatttttca ttcagtatga 300  
accttgaggc tggtgccatt tttcccttaa ccaaaccaac ctgaagggtga cctcgaaact 360  
tgtttcataa atcttttcaa agttgtttta catcaatgtt aaaatttcaa aatgctgcan 420  
ggcaatttaa tgtataaaat attagtaaga aaaantatgt atggcatact tagtagaata 480  
gatcacaaca tacaatttca atcaatgcat gcttttaggtg taagcatgag aatgnacatg 540  
tttntg 546

<210> 72  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 315, 338, 341, 383  
<223> n = A,T,C or G

<400> 72  
ccagtcagtg ttcattgtctc tcaccagtgc ctggagggtc cccagccaag gaaagaactg 60  
gtcagttcct gccagcagct tgagctggaa tgccctggga gggtcagtag aggggtggtca 120  
cttgaggagc ttcacagaga ggcggatgtc aacatgcag aggaagatgt ccatgagggtc 180  
atggcctgcc tctgtgtcta tctgggagat cagtggtccc ttcggaccaa tcaggagttt 240  
ctgagggtat gtgaaagaga aggaagccag gaatgatggc acatgcctgt agtcccagct 300  
acttgggggg gtaangtgag aagatccttt gagcacanga ntttgagtcc acctgggtaa 360  
cagtgcgacc cctctttacc tcngecgagc cagcg 395

<210> 73  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 14, 16, 21, 25, 38, 329, 333, 390, 412, 429, 451, 455, 470,  
482, 483, 486, 498, 499, 511, 519, 524  
<223> n = A,T,C or G

<400> 73  
aggtaaaaat gggncncaaa ntcgnggtgg accaaacnaa tccacattta tttattgatt 60  
tttcgttagt ttaaattcctt gaggggtaca gcatcactcg gattctgtgt ccaatggcct 120  
tagcaggaag attgcttcgg aatttggcac gaaccatgcc actgtttcca tgggcccag 180

```

ttacttttcc ccagatgact ctgggtttgt ttgggtttgcc gccaggagtg actgtgttgt 240
tcttttgcttt atatacataa gcgcatctct tgcccaaata gaattctgtt tcatctcggg 300
cgtaaaacac cttcaatttt aagaaaganc tngngtgcctc cttgggttcc ggagaccccc 360
ttatgccagc aaaaatggcc ttggaccan ccttcagaa tagtcctttt anaagtcccg 420
ttccacang actgccgggc ggccgtcgaa nggcnaattc cacacacttn ggggcggtct 480
annngnatcg agctcggnnc caacttggcg naatatggnc atantgt 527

```

```

<210> 74
<211> 557
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 345, 462, 466, 478, 521, 549, 553
<223> n = A,T,C or G

```

```

<400> 74
ccaagccaag gaaaccattc cttacagga gacctccctg tacacacagg accgcctggg 60
gctaaaggaa atggacaatg caggacagct agtgtttctg gctacagaag gggaccatct 120
tcagttgtct gaagaatggt tttatgcca catcatacca ttccttggat gaaacccgta 180
tagttcacia tagagctcag ggagccccta actcttccaa accacatggg agacagtttc 240
cttcatgccc aagcctgagc tcagatccag cttgcaacta atccttctat catctaact 300
gccctacttg ggaaagatct aagaatcttg aatcttatcc ttgnecatct tctgttacca 360
tatggtgttg aatgcaagtt taattaccat ggagattgtt ttacaaactt ttgatgtggg 420
tcaagttcag gtttagaaaa gggagtctgt tccagatcaa tccccnaact gtgcccangc 480
ccaaaggaga cactaactaa aggagtgaga tagattttaa ngggaaacat tttccaagt 540
cttggcatnt ttnaacc 557

```

```

<210> 75
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 339, 340, 346, 365, 378, 389, 394, 438, 459, 469, 471,
475, 500, 516, 517, 528, 536, 537
<223> n = A,T,C or G

```

```

<400> 75
aaaagcagct tcagctcaaa cagcaccagt gctacatgga cagcatggca gcgcagccgc 60
tccatgcgga aaagaaaggc aactgctgct tcaaactgcg ctgtcaggaa caggacttgg 120
aagtagagga agggttgctg gttcacgta aagtgggact cgccatagtc ttccaacaac 180
tgcttctgga actgtgagag agtgagcctg tcttgtgggg agctggtgcc atcgctgtca 240
aaacacactt ggttcaactt cagccacagg taatcctcag ttttgtccgg cacttcaact 300
tggttgtcgg tgaccgncac attttgccaa tgatacagnn cacggncgcg ttgtagggat 360
ctgtnttgtt ccttgagngc cctacggtna tgcngccgga gcttgttttc cgtagctggg 420
gacaatcttc tgccttctntg tcatgtctcc tggaaccang ttttacctng nccngnacca 480
cgctaaaggg cgaattcaan aactggcgg ccggtnncta tggatccnaa ctcggnncca 540
agcttggggg ta 552

```

```

<210> 76
<211> 451

```

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 42, 314, 366, 426  
<223> n = A,T,C or G

<400> 76  
ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gntggcatgg aagacactgc 60  
aataaaaggt acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120  
cagcacacgc cttcacttaa aaaggccgag gagcggcggg atccacctga atccaattac 180  
atctggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240  
acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300  
tttattaact tctnattaaa tcaacttgagc tgatattact cttcctttta agttttctaa 360  
gtacgntctgt agcatgatgg gtagattttc ttgtttcagt gctttgggac agattttata 420  
ttatgncaat tgatcagggtt aaaattttca a 451

<210> 77  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 77  
gtgaagaagg cagctctcac tcaggcaaag agccaaagga cgaaacaaag tacagtcttc 60  
gccccagtca ttgacctgaa gcgagggtggc tcctcagatg accggcaaat tgtggacact 120  
ccaccgcatg tagcag 136

<210> 78  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 322, 330, 352, 365, 369, 386, 451, 463, 482, 487, 530, 535, 543  
<223> n = A,T,C or G

<400> 78  
ctgtgcaaga tgcctcagtg tgatgcaaag actctatatt ggaaaaatta caacttggtc 60  
taaaaactta ttggtgttga tttttttaat ccaaaataaa ttataaaaa aatcctttta 120  
tggactatct cagtttaata tacagtaata cactgtagat aaagttaata ttccccccac 180  
taatttaata gggattgata tcaatgtttc tgatcactgg agaaataaaa actaatgtgg 240  
acctttgata tccatggcat aggaggattc ccacagttta tctaagagg atctggggaa 300  
tattaaatat tctaattcca gnggcttagn caatatgaat ttttaagtaca angatatttc 360  
aaaancagng gttttgaaaa aaaaantaat caaaacccat aatcacatct cttgtggata 420  
acaatattaa tataactttt taccacacca ngacttgccg gtncaaaactc agaactgaaa 480  
gnttggnctc gtagactttc ggtaacaatc tggcaaacac taaatggagn gtggncttat 540  
ctnttt 546

<210> 79  
<211> 545  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 306, 311, 323, 501, 516, 525, 532, 534, 537

<223> n = A,T,C or G

<400> 79

```

aaacatggat aaaagtatta catgggtcca ctgttaaaac agacaacatg tggcaaatta 60
attctggtat catgttttcc aacaaagctt agaaaataaa ggtgttgagg tggctttgga 120
ctaagtttaa tagtcatctc ctctgctgac aacttcttta catgttggac gcaacaggat 180
ggatgttca aattgcgctg tatatgatcc tttaatgtca cataatgggtg gatatggatc 240
tacaatgccc aagtacacaca gattcttcag agccatcaag tatttacttt ctcccaagcg 300
atccanccat ntggcggcag aangcaaaagg gtcccaaagt tttcattgat gacatttaac 360
aagtgttttg ttcttggaag ccttattggg cacatgtcca acatcaaaat ttttcatgta 420
atgtgaacat tccatatcat catgaacaac accttttctt gtactaccaa atgtttcaat 480
tgcataatact tctcttctct ncattcttgt tggctncctt ctttnacaat cngnacntgt 540
tttcc 545

```

<210> 80

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 257, 321, 374, 391, 413, 430, 436, 442, 447, 448, 458, 469, 472, 474, 479, 498, 507, 513, 522, 524, 537, 542

<223> n = A,T,C or G

<400> 80

```

aaaaatgggg cacaaataca ggcaggtaag agacagacag ctctcatccc tgcactcttg 60
gctttctgag agatatgacc ccaaggctct ggagtctagc tgctgttcc tctctggga 120
aatagaggag tgatattggt agtacctagg gcatagcact gctgggacaa ttcagtgatt 180
tggggactga tctccatata aagatgacct gatcctgtct gtgtgcggga cagtggctag 240
cacggagccc ttgttangcc cgcctacct ctgacccttc tcaaaccctc ccgtctgagg 300
acatctgcat gcaccacttg ncccttccaa tggctgtctt actctggatg gccctgacac 360
ctggagaagg ccanacaagc caagtgggtt ntctaaggac ctttgtgaat tcntaggacc 420
tcgggccgcn accacnctta angggcnnaa ttcccagncc acctgggcng gncnggggnc 480
ctaattggaa tcccgaanct tcgggggnccc aanccctttg gngnaatcca tgggtcnatt 540
ancttgg 547

```

<210> 81

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 335, 337, 348, 380, 403, 441, 476, 484, 500, 508

<223> n = A,T,C or G

<400> 81

```

aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60

```

```

tittaaccagc tattttcttag accaaataaa gagaaaatag actttcttct tgaggatatgt 120
tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattggt gaaagatgaa gaacgaaagc tacttggtga tcagatgagg 300
aagagatccc cttgagtaaa tctgtgcatt aaccngnaac ttcatttnat gatatcccca 360
gctcagcaag gagtcaacan tgggcagtta gaagcatcaa ctnatattgg ccagtgggat 420
cctggggagg attagacaaa ntttaatcga attaccatgg gtgttgactt tcaganccgc 480
ccanttctgg gacaggggcn tattaagnng ggaaa 515

```

```

<210> 82
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 82
cctttcccca ttgctccttt ccccatgtgt caatggattc catgtttctt tttcttgggg 60
ggagcagggg gggagaaagg tagaaaaatg gcagccacct ttccaagaaa aatataaagg 120
gtccaagctg tatagtattt gtcagtattt ttttctgtaa aattcaaaca cacacaaaag 180
aaaaatttat tt 192

```

```

<210> 83
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 339, 349, 350, 467, 510, 537, 549, 559
<223> n = A,T,C or G

```

```

<400> 83
ctaatacgac tcaactatagg gcagggtgcag gcagctaggt gatggcaaga gatgttcaact 60
tgaagatctt gccctgattg aaggctttgc ccacatgctg gaaggccccc tcccaggaaa 120
agtactctcg aaccagcgtc tgggtctcct cgctgccagg atccagtttc cgccatgtgt 180
atgactcgta gtccacctgc caatctggac tcagcggaaa ggcaagctcc tggcctcgga 240
agaccagac tccagaaatg gagctgctat tgttggttcc aaaaaggatg acactggcg 300
aggcattctt cctcagcttg tccagtcgct ggaacattnc agtgatgann atgcagctca 360
tgaagggtctg agtgagttct tcagggaagc gatactcttg agtaccacag ggaccagccg 420
tccttatcaa agtgctccca gaaatatggc agtgccacag agagtgngtc ctcatggag 480
tacttgcgct taaattcatc caacacaaan gtctcttggg cagtgaacga aggggtntct 540
gccttgggnc acagccaeng ctgtccatta tc 572

```

```

<210> 84
<211> 588
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 447, 496, 527, 541, 548, 552, 557, 578, 579
<223> n = A,T,C or G

```

```

<400> 84
gtgaagcaac ctttaggtac caaagtcatt ccacccatgc agtcaccttg tcattactta 60

```



```

cacttttctt ctttttcatt ttacagtaaa aaagtcaaga acatgtaaaa actgtggctt 120
ttctggaatg gaattggaca tagcccaaga acagaaagaa ccttgctggg gttggagggt 180
tcacttgcac atcatggagg gtttagtgct tatctaattt gtgcctcact ggacttgtcc 240
aattaatgaa gttgattcat attgcatcat agtttgcttt gtttaagcat cacattaaag 300
ttaaactgta ttttatgtta tttatagctg taggttttct gtgttttagct atttaatact 360
aattttccat aagctatttt ggtttantgc aaagtataaa attatatttg gggggggaat 420
aagaatatat ggacttttctt gcaagcnaca agctattttt tacctgcccc gggcgggccg 480
ctcgaaaggg ccgaantcca agaccacttg gcggcccggg actagtngga tcccaactcg 540
ngaccaanct tngcgtnaac atgggcataa gctggcgnnn tcccggaa 588

```

```

<210> 85
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 170, 303, 345, 350, 353
<223> n = A,T,C or G

```

```

<400> 85
ctgctctgtg ctgggcatct gtctactgct cagtactacc aagggttgta tgaaatcttg 60
gaattggctg aggacatgga aattgacatc ccccatgtgt ggctctacct agcggaactg 120
gtaacaccca ttctgcagga aggtgggggtg cccatggggg agctgttcan ggagattaca 180
aagcctctga gaccgttggtg caaagctgct tcctgtttgc tggagatcct gggcctcctg 240
tgcaaaagca tgggtcctaa aaaggtgggg acgctgtggc gagaagccgg gcttagctgg 300
aangaatttc tacctgaagc caggacattg gtgcattcgt cgctnaacan aangtggagt 360
ataccctggg agaagagtcg gaagcccctg gacctgccc 399

```

```

<210> 86
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 86
ctgtacaggt tctctgttct tcagggtcat ttccacagct ttaagatgtg tattcatgct 60
gacatccaca cctgtgattg ttccatggac ctgtgttccg ttcttcaatt caatgggttac 120
agtttcatga ctcaatttca tcaaaaatct caccagcttc atcctagcgg cgccgtcacc 180
ctctgggtcc gacagcacac agaatccttc aaccgaacac tgac 224

```

```

<210> 87
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 6, 20, 26, 55, 403, 454, 503
<223> n = A,T,C or G

```

```

<400> 87
caggnncaag agtttccttn accatnagac actgtactat gacacagacc ctttntctct 60
ctacgtcatg acagagtatg actgtgaagg cttccacatc gtggggtact tctccaagga 120
gaaagaatca acggaagact acaatgtggc ctgcatccta accctgcctc cctaccagcg 180

```

```

ccggggctac ggcaagctgc tgatcgagtt cagctatgaa ctctccaaag tggaagggaa 240
aacagggacc cctgagaagc ccctctcaga ccttggcctc ctatcctatc gaagctactg 300
gtcccagacc atcctggaga tcctgatggg gctgaagtcg gagagcgggg agaggccaca 360
gatcaccatc aatgagatta gtgaaatcac cagcatcaag aangaggatg tcatctccac 420
tctgcagtac ctcaatctca tcaactacta caanggccag tacatcctca cactgtcaga 480
agacatcgtg gatggacctc ggncgcgaac a 511

```

```

<210> 88
<211> 114
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 103, 111
<223> n = A,T,C or G

```

```

<400> 88
cctttcacaa ctaggactga gaatgtatgt aaaagttctg tgacagtaca gaaggaaaac 60
aactttttat gtatagcttc taaaagggga aaaaaaaaaa aanaaaaccc nttt 114

```

```

<210> 89
<211> 609
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 499, 536, 550, 557, 561, 565, 570, 584
<223> n = A,T,C or G

```

```

<400> 89
cctttatgga tgaaagtacc cagtgccttc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactggt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat ctgtgcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgcccca gcacgtggtg actgcgatgat 240
ttctgctcgt tgcctttgaa gataactggc aggactgact gtagaacact ttgacttttt 300
tcaaaaagtg atggaatttg tacatccaaa tgaatattgt atagacaatt ttcccaggaa 360
tgtgcaaaaat gcttgaaagt tcaaacttct tttttgaaat gatcttcaga tccagtggcc 420
cattctttta tctttatcct gtgaagggtg ttttcaagggt ttgaaacaat ccaaaaatca 480
tttaagaacc aagtctaang aacatttttag tggaccttgc ccgggcgggc cctaangcga 540
aattccacn cacttgnngc ngttinctan gatccaactt cggnccaact tggcgtaatc 600
atggcctag 609

```

```

<210> 90
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439, 461, 468, 491, 506, 559, 567, 578
<223> n = A,T,C or G

```

```

<400> 90
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgccct taagcattat ctccctttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaagg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtccttc caatcctgtg 300
attctctgat tccctgagtc tcgtttatta ttggacatgc ctagcccatc accagtgacc 360
tgcccgcata ttgctggctt cccttgata acggagagcc tatcaccaca tgcctttgtt 420
gtcttccatc atatcaagng agttgctttc tggacttttt ncatctanaa cctgctaagg 480
ttggttttga naaaaagatg gagaantttc ttttcatgag ttgttagggc aaaaaaatt 540
ctttttacct gcccgggcng gccctcnaaa aggcgaantc cagccccttg gcgg 594

```

```

<210> 91
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<400> 91
ctgcaagcca ttcgaataat tcaagagaga aatggtgtat tacctgactg ctttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaatcaa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaaaa cagaagagcc cacagtgcac tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacacca ccctcagaag ttaaaatgca ttttgctaat 300
cagtcaatag aacctttggg aagaaaagtg gaaaggtctg aaacttcctc cctcccacaa 360
aaa 363

```

```

<210> 92
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 148, 352, 373, 425
<223> n = A,T,C or G

```

```

<400> 92
ctgctcgaac actgagcttg tgtaaaagtt gaaccatgag gccacaaaag cgggtcaaagg 60
ttctgggaat tcgggtctgg ggattcactt caatcagaac attcttctgt gtatggatat 120
aaacctgtag caagccagct cggttcangg gactatccat cagcatcagc aaactctgg 180
gggtgatatc tggccgcgct tccccagggt cccgtccatt cttcaacaat atagacttgt 240
gcttgtcaca gttgagtagc tcatatgtct tcctacctt gactgtctcc agactggccc 300
cttcagcac cacaataagc ctacggcctc cgatcttggt tctgcccct antcggggcc 360
gcttggttg canagcatcc caatcctgtg cctgctccca ccgcttcgtt cacgaagctt 420
gaatncataa ccttcggccg cgaaccacgc 450

```

```

<210> 93
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 157, 404, 406, 442, 453, 460, 487, 507, 513

```

<223> n = A,T,C or G

<400> 93

```
cctggcctca catgacccct gctccagcaa cttgaacagg acaagcagca gctacatcct 60
taaggtcggg aaagtaagat gaggatttgg atcctgcatt gccctgcctc ccaccctatc 120
tctcccaaaa ttataaacag ccataccttg gaagcangca gagttaagac gtctccccac 180
tgccctagtg acatacacac caacaggaga gcatgttcag atggcacaga atccaggagc 240
tgcatttcat gaggagaaac tggtagcaaa atatgggtgg ggagtcgggg ggtgtgagaa 300
ggcaagcgca aagagaacct tcctccgttt ctactcatcg gatcctgacg ctgactcctc 360
tgactggggg gagtactggc tagttcttct tcttcagagt actngntcct cctcctcttc 420
tttttgctct tgttctctcc cnaagagctc tcntcactan acacaaaactc tttgctcttg 480
aagcttntcg cttactgctt gaggacnact tgnatgatga cccctaaaag gcgggga 537
```

<210> 94

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 143, 370

<223> n = A,T,C or G

<400> 94

```
gcgagaagaa aaagggccgt tctgccatca acgaagtggg aacccgagaa tacaccatca 60
acattcacaa gcgcattccat ggagtgggct tcaagaagcg tgcacctcgg gcaactcaaag 120
agattcggaa atttgccatg aangaggtgg gaactccaga tgtgcgcatt gacaccaggc 180
tcaacaaagc tgtctgggcc aaaggaataa ggaatgtgcc ataccgaatc cgtgtgcggc 240
tgtccagaaa acgtaatgag gatgaagatt caccaaataa gctatatact ttgggttacct 300
atgtacctgt taccactttc aaaaatctac agacagtcaa tgtggatgag aactaatcgc 360
tgatcgtean atcaaataaa gttataaaat tgcaattttt tttt 404
```

<210> 95

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 400, 403, 407, 421, 431, 482, 488, 489, 492, 508, 516, 518, 521, 526, 532, 542

<223> n = A,T,C or G

<400> 95

```
aaaggtatct gctcattggg ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttaccaa ttttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcctt aaagacgtaa accaaagtgc actttatctc atttatctta tgggtgaaac 180
acaggaacaa attctctaag agactgtgtt tcttttagtt agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgttgtag 300
agtgggaata agagaggggt ttttattttt tcgttcatac cactattgat gaagatgata 360
ctaaatgcta aatgaaatat atctgctcca aaaggcattt atncttnact tggagatgca 420
ncaaaaacac naaaatggaa tgaagtgata ctcttcatca aacagaagtg actggttatct 480
cnccattnng tnaaatccta agcagaanac ataaanantc ntgacnaaaa anacacttgg 540
cntattactg gcttggaag 560
```

<210> 96  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 394, 558, 598, 603  
 <223> n = A,T,C or G

<400> 96  
 ccaggctggt tttgaactcc tgacctcggtg atccacccgc ctcagcctcc caaagtgctg 60  
 ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120  
 ttcacctatt accatcagggt tgccttatttt tgttttatgt tttttatttg tatgcatgtt 180  
 tactttatgt ttcagtttac taccacctaa ggcagcaaga gagcaggaag ataagcaaaa 240  
 tagagatggt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300  
 ataaaaacat tttattcaca aaattgggtca tcacagcatt atttacaata ctgaaaatct 360  
 ggaaatagcc taaatttcta acaattgaaa gaangttaag taaattataa gactacacaa 420  
 taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataatactt 480  
 agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattcc 540  
 acccccaaaa aagacaanat ttatttggca tttcgtggca aaatttcattg tatttggntg 600  
 gantttctaaa ttttccga 618

<210> 97  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 97  
 aaaatttcct tccatttcag tatatgcata ctcagttcat cacatagtaa tatcaataaa 60  
 aaaataaact tccatttcct ataagaaaaa cattaactta attcacagtt agccttttcc 120  
 cacaacactc aatactccag tagcttctag gaagagaggt atattagtga taaaaatgga 180  
 atattaaaaa tccatgactt gggagtaaac ggagccctta actcctcctc tccccctacc 240  
 tgaatcacaa aagggttttc ctgaaatgag aggggatggg actgggggtca gcaggattct 300  
 cacctcgggtc taactacaag gtacggggag aagacaggag ggctgg 346

<210> 98  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 293, 430, 461  
 <223> n = A,T,C or G

<400> 98  
 ggaaaatgct tctcagtcca cagttaaagt tctcatcaga ctactgaagg acttgaggat 60  
 tcgttttcct ggctttgagc cctcaccacc ctggatcctt gacctactag gccattatgc 120  
 tgtgatgaac aaccccacca gacagccttt ggccctaaac gttgcatata ggtacagcat 180  
 gctttgggtt tagggttggt tgtaaactat tttgtgcatt cctttaatac ctcatacctc 240  
 cctgtgttct aggcgctgct tgcagattct ggctgcagga ctgttcctgc cangttcagt 300  
 ggggtatcact gacccctggt agagtggcaa ctttagagta cacacagtca tgaccctaga 360

```

acagcaggta ttgggacaga tatgaactga gttgttttgc cccactcttt tgaatactgc 420
tgctcagcan gcaaagtggg aatatgggtct ttacgggtca ngaatttggg gattctgaaa 480
gactttggtc ctgagattt                                     499

```

```

<210> 99
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 99
cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcagggtcag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag ccccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaaggaaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacagaaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaacccgga gtcatcagtg tgatgggaac ctaagc                                     396

```

```

<210> 100
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G

```

```

<400> 100
ccgccatggc cgaggaaggc attgctgctg gaggtgtaat ggacgttaat actgctttac 60
aagaggttct gaagactgcc ctcattccacg atggcctagc acgtggaatt cgcgaagctg 120
ccaaagcctt agacaagcgc caagcccatc tttgtgtgct tgcatccaac tgtgatgagc 180
ctatgtatgt caagttgggtg gaggcccttt gtgctgaaca ccaaatcaac ctaattaagg 240
ttgatgacaa caagaaacta gganaatggg tagg                                     274

```

```

<210> 101
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 440, 454, 480, 538, 559, 566, 587
<223> n = A,T,C or G

```

```

<400> 101
cttttagaaa gccatcaaga agagacaaat cagttactta aaaaaattgc tgagaaagat 60
gatgatctaa aacgaacagc caaaagatat gaagaaatcc ttgatgctcg tgaagaagaa 120
atgactgcaa aagtaaggga cctgcagact caacttgagg agctgcagaa gaaataccag 180
caaaagctag agcaggagga gaaccctggc aatgataatg taacaattat ggagctacag 240
acacagctag cacagaagac gactttaatc agtgattcga aattgaaaga gcaagagttc 300
agagaacaga ttcacaattt agaagaccgt ttgaagaaat atgaaaagaa tgtatatgca 360
acaactgtgg ggacacccta caaaggtggc aatttgtacc atacggatgt ctcactcttt 420
ggagaacctc cgaatttgan tatttgcgaa aagngctttt tgagtatatg atgggggtcgn 480

```

gagactaaga ccatggcaaa agttttacca ccgtctgaag tccctgatga tcagactnag 540  
 aaaatttttg aaagagaana tgctcngttg atgttcttcc ctccagnng 589

<210> 102  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 7, 48, 71, 81, 84, 93, 105, 113, 121, 134, 139, 204  
 <223> n = A,T,C or G

<400> 102  
 aaatttnggt taaaaattta aaccggcaaa cctttccaaa cctttaantt aaaggaggag 60  
 gcccgçcaaa natttttagg ngngggcccc ccnctttcct ttaanggcaa atnggcccaa 120  
 ntaggccctt tccngcaang gaccaggagg cctcaggccc cccaaagctt aggttagcaa 180  
 ataggagcaa tttaaattcc tagnccaag 209

<210> 103  
 <211> 655  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,  
 577, 595, 596, 604, 609, 618, 626, 634, 637  
 <223> n = A,T,C or G

<400> 103  
 aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60  
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120  
 cttcccaact atcattccca tgggtccaaa taaatttttag aatctagtcc catccccttc 180  
 ctagacaaag tgcgttcaac aatctccaag agacaaagta agattggaag ttttaaggaca 240  
 cgacacaaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300  
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360  
 aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttagaaca aggcacata 420  
 cacttggaaa atctattgca cttttangaa aatttttgcc cgtcttncct ttgccactgg 480  
 taaaaaagat ggancgggtt ttggatcanc cnccattttt ggaacctttt gggcccggna 540  
 accncccttt aangggcgna aattccancc ccccntnggg gggccgggtt ctttnngggg 600  
 aatncccana cttcgggncc cccaancttt gggnggnaaa tcaatggggc catta 655

<210> 104  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 104  
 ctgttgctta ccatgcccaa aataatctc cagttctcc aaagccacag ccaaaggttc 60  
 aggaaaaggc agatattcct gtaaaaagtt cacctcaaac tgcagtgcc tataaaaaag 120  
 atgttgggaa aaccctttgt cctctttgct tttcaatcct aaaaggacct atatctgatg 180  
 cacttgaca tcacttacga gagaggcacc aagttattca gacggttcat ccagttgaga 240  
 aaaaactcac ctacaaatgt atccattgcc ttggtgtgta taccagcaac atgaccgcct 300

caactatcac tctgcatcta gttcactgca ggggcgttgg aaagacccaa aa 352

<210> 105  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 144, 309, 344, 347  
<223> n = A,T,C or G

<400> 105  
aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60  
tgattatttta catttttagta attggacaat cccggctcag gaggagggtg caagaatctg 120  
caaaagttgg agggagcgcc ccangagaac aaacagcaag ccttatttcc cctagcccat 180  
cccccaaaaa accatccatc ccacccctagt gtctggtggt gtccggtggt gtccatcttc 240  
cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300  
acagagtang gtcccctcac ccaaaaaaaaa aaaaaaaaaa aacnctnggg ggaaa 355

<210> 106  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 2  
<223> n = A,T,C or G

<400> 106  
tngaactcact cctatagggc gaattcgagc tcggtacccg gggatcctct agagtcgacc 60  
tgcaggcatg caagcttgag tattctatag tgtcacctaa at 102

<210> 107  
<211> 357  
<212> DNA  
<213> Homo sapiens

<400> 107  
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60  
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt ttgcaagac 120  
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180  
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctggttcag 240  
cttcaagaaa aagccttggt tgcagtcctt aaaaattaca agctggtagc tgcaccattg 300  
tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag 357

<210> 108  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 108  
aaaggtgata aacacaaaac ctcgcttttt gttcaacttt ggatccattg gcaattcaat 60



```

ggcctcaatc tccccaaact cgccaaagta ctccctgata ttttcctcag tggcttcagg 120
attcagaccc ccaacgaaga ttttcttcac cgggtccttc ttcatagccca tggc 174

```

```

<210> 109
<211> 623
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 141, 508, 577, 609, 615
<223> n = A,T,C or G

```

```

<400> 109
tgcaaattaa ttttaagggc ttacagagtc atttgaagaa gtgtggtggg aaatacaatc 60
agattttggc atttcgacct acaggatgga cacactctaa caagttcact agaatagcag 120
atgttattcc ccagacccaaa ngaaacattt caatatatgg aattccttac agtgaacaca 180
gcagctacct agaaatgaag cgctttgtcc agtggctgaa gccccagaaa atcacaccta 240
ctgtaaatgt gggcacctgg aaatctagga gcacaatgga gaaatatttt agagagtggg 300
aattggaagc tggatattga tgatacctcc gaggattcag tagtagttaa gttccttgga 360
tgtagcttgt tagtagttaa atctatagaa atgtgaaata cacttttgtt ggaaaaacct 420
catgaagatt gttcaaaata ctttattttc tcatttatgt ttgaaccaac atgttcgtgg 480
tgcttgaatg cctctcagca tcatcaanga taactgaaac tgggtctcct gggaccttaa 540
ttcttgtccc ctgccttcac gggcagttat atttgcntca agccttaaaa aagaacaaag 600
gcagattcng gaccnaagga tat 623

```

```

<210> 110
<211> 638
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525,
528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621,
622, 635
<223> n = A,T,C or G

```

```

<400> 110
actatgtgac tatcattgat gccccangac acananactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tgggtgttgg gaatttgaag 120
ctggtatctc caagaatggg cagacccgag agcatgccct tctggcttac acactgggtg 180
tgaaacaact aattgtcggg gttacaacaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattggt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaattttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggncca agggatggaa agtcacccct aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tntaccacc aactcgtnca actgacaanc 480
ccttgcgcct tcctttttnca ggatgnccta caaaaattgg tgggnttngg ncttgnctct 540
gttgggcccc atngaaactg gnggttctca aaccccggnn ttgggggncn acttttgctt 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa 638

```

```

<210> 111
<211> 492
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 344, 349

<223> n = A,T,C or G

<400> 111

```

aaaaaaagta caaatctgtt aaaaatttca atcagtatac acatatatat aatacaacat 60
actagttatg ttaaatgcta caaaccaatg tgaatcccat ggaatggaaa aaaccacaca 120
ttaagctttt aagaaccatt tttttctcta tatattagca ttttctcaaa tacatacatg 180
ggaaaaaatga ggtaactgta aaatgtgcaa ggaacagggc ccccaaaatt acatatatatt 240
ctacatatat atgtaatttt atatatatat aaaacctttc taacacagaa cacaggcgct 300
gggcccagcc agggctgggg gaaggtgccc actgtcatgc ctangccana agttggtaaa 360
taagagagta aacaatggca agccccacc acaggaaatc attggtaaca tggcatctat 420
agcaaggtcg gcagatcaca aacatcctaa gtaattgttg tataaatctt gttttttaat 480
gatgatcttt tt                                     492

```

<210> 112

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 318, 353, 420, 429, 477, 486, 500, 516, 526, 538, 544, 546, 563, 565, 570, 588, 590

<223> n = A,T,C or G

<400> 112

```

ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacgaaag 60
gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
ccaacgagag catctgtctc agagctccac tcagggtcac ccctctccag aggccggtat 240
ggggtggcct cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
aaattcaccc aagaagangt ttcagcattg tgtaggttgg agtaaaactg canagcagtt 360
ccagggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggan 420
atgatggant tgcagagaga cctggtgcc aatcgaagga tacaggcaga caccaanacc 480
aggaanacgg ctatacttan atggacctcg cccgcnacca ccttanggcg aattccanca 540
cacntngcgg ccgtactatg ggnanccaan tcgtcccaac cttggcggnan tatggcta 598

```

<210> 113

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 166, 296, 385, 390, 411, 438, 439, 452, 459, 475, 479, 484

<223> n = A,T,C or G

<400> 113

```

ctgtggccta ggctacctca agactcacct catccttacc gcacatttaa ggcgccattg 60
cttttgggag actggaaaag ggaaggtgac tgaaggctgt caggattctt caaggagaat 120

```

```

gaatactggg aatcaagaca agactatacc ttatccatag ggcangtgc acagggggag 180
gccataaaga tcaaacatgc atggatgggt cctcacgcag acacacccac agaaggacac 240
tagcctgtgc acgcgcgcgt gcacacacac acacacacac gagttcataa tgtggngatg 300
gccctaagtt aagcaaaatg cttctgcaca caaaactctc tggtttactt caaattaact 360
ctatttacct gcccgggccg gccgntaagn ggcgaattcc agcacacttg ncggggccgtt 420
ctaacgggat ccgagctnng taccaaggtg gncataatna tgggcatatc tggtnctnng 480
gaancgacc 489

```

```

<210> 114
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 231, 238, 239
<223> n = A,T,C or G

```

```

<400> 114
ctgaccggac cggtcatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
cggctcttcg gcatacgggc aaaaagagcc aagggaagcc cagaacagga tgttgaaaag 180
aaaaaataaa gccctcctgg ggacttggaa tcaaaaaaaa aaaaaaaaaa nccccccnng 240
ggggg 244

```

```

<210> 115
<211> 349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 225
<223> n = A,T,C or G

```

```

<400> 115
aaaggtgata aacacaaaac ctcgctctttt gttcaacttt ggatccattg gcaattcaat 60
ggcctcaatc tccccaaact cgccaaagta ctccctgac ttttcctcag tggcttcagg 120
attcagaccc ccaacgaaag atttttcttca ccgggtcctt cttcatagcc atggcctttt 180
taggggtcaat gacacggcat ccagcctgtg ctccctcttg tctangacct tctccacact 240
ggctgcatct ttgaacagga taaacccaaa cctcttgac cgtccagtgt tgggatccat 300
ttttattgta cagtcaacga cctctccaaa tttagtaaaa tagtctttt 349

```

```

<210> 116
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 488, 526, 536, 539
<223> n = A,T,C or G

```

```

<400> 116

```

```

ccaacaaact tcaagccttg ttcttccaaa cactttttcc agactggatt cacctcaaat 60
cggtggcggt gcctctcttc caagtagtct gcgtctccat agagtttcct catgactgag 120
ttcttgggtct ggaacaagggt tctcctcttg cccagcctca tggttccgcc catctgccct 180
gggttgtgtt ctggcatgtc tacgaccacg ggatgactgg tcgtagggtc aaactctgta 240
gaattggcat ctggccatcc cagcacgttt ctgagaatt caaccactgc caactgcac 300
cctaagcaca cgcccaaaaa aggttttttc tgattccgag cccaggcaat tgcttggatt 360
tttctttctg ttctctgaac accaaatcct cctggaacca gcactccatg agcactacag 420
agcttctgcc aacttcgtgg tagcgcacgg gctcttcttg cgagggtgat ggctccaaag 480
tccgcanaa tctattgtac cttgatttcc aatttgtggg ttgatngacc tgcccngcng 540
cccttaaaa ggcgaattcc a 561

```

```

<210> 117
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 314, 356, 372
<223> n = A,T,C or G

```

```

<400> 117
aaactgggtg tttagaatat tataatgtag caactctgga aatatgatcc tacgccctct 60
cccggttttg ttcttgctgt ttgttgcat agttatttgt ttaatgactt ttctggttgt 120
aaagtctgta ttttttgtca cgtatggccg tttcttctta ttcttttagc ccagtgggtca 180
gtgataggac agagatttcc ttaaaccatct ggaatcaaaa aaaccataa aaccctccca 240
gagttttagt aaggggtctgt gtgcatgtgg ggtcagccct tccgcgggta aacacatttt 300
caactctgcc ttancttttg ctctctgtgt gtgcggagcc tgaaggcggc cagacntgag 360
agcttagctt cngccctcgc agg 383

```

```

<210> 118
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 485, 574, 609, 622
<223> n = A,T,C or G

```

```

<400> 118
aaaaagaagg tgctcagttt atttataaaa tcggtgtcgc cgactgctct gtttatgcta 60
aaattatgat catttttctc aactttggca ttgtgcagtt ggggaagagaa gccaaaggcac 120
ctttggaagc atcataaaaa gtgaatcatt tgaccatta ctaaaatgca gccgcccctg 180
agttgcgaag tggcagtcac ttagcagcgt cttagggtag atactacagc ttaatttgtg 240
gaatataaga tgtggatatg ttgggataga ctttccaggg gcttctctag agcaacatta 300
cagcacatat aactaaaaat tcagagacaa agaacatgca ctatcctgtc ctctcactcc 360
ccagggtgaca ggcaggggga ggtccctgag atctggggat gcacttgtct ccacgtgcat 420
tttacttate actcttaaca cacttgtcta gttccatga attattttcc caacttctaa 480
tatgnctttg aagatagatt tatcttggtc atattggacc ttctgctttt ggcttctttt 540
gttcttgctc ttggttgctc actccaactt ctanaattga atcatttctt ccaaaatata 600
aaactaggnc atatctgggg gngaa 625

```

```

<210> 119

```

<211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 119  
 aaatgacgaa actcagcggg aatatattca gggattgaag aggttaatga ccatttgcca 60  
 gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120  
 tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180  
 caacaggaat gaggaagaa gaaaactgga gttccagtc tctgagttct acctgatgta 240  
 actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300  
 ttttctttct tgctttcatt ttaattagtc caaaattaag tttt 344

<210> 120  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 95, 97, 99, 105, 109, 111, 136, 373, 374, 382, 385, 389,  
 392, 403, 429, 430, 452, 509, 531, 541, 546, 551  
 <223> n = A,T,C or G

<400> 120  
 aaagtaagtc gtttcctttt atttgaacac ctaggggcca ttttagagtt ataattagcc 60  
 caatttctat atcattttgt ctcaggggaat agaancntna ggganggana nagttggggg 120  
 aatggctggt tggtnanagt gtcagaatac acacaacatt tataaataaa gttagccatc 180  
 taatatgggt gtgattcgtg gtacctcaca atgattatga tagtaacata aaagctcact 240  
 gaccacaggt caccgtaaca gatataataa taatgatctt tgaaatattg tgagaattac 300  
 caacatgtga cacagagaca tgaagtaaac atatcctctt ggaaaaatgg caccaataga 360  
 cttgttcaat gtnngattgc tncanacgng cnatttgtaa aancacaata tctatgaacc 420  
 tcagtaaann gaagtgcagt aaaacgagat cncctgtctt gatcctaact tactgattat 480  
 cctctgctgg cacatttcca attgatttnt ccaacgtctc aagggtcaaa ncatgattca 540  
 nacaanattt ngatcaatga 559

<210> 121  
 <211> 576  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 409, 496, 500, 503, 516, 528, 532, 545  
 <223> n = A,T,C or G

<400> 121  
 ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgaggttg ttcttgaaga 60  
 gctgaatata ggacatgagc tgtcccgggtg tgactctccc catactcatc ttgattggca 120  
 ggttttctct gcttgccgct tccactagat gtctccgaac ttccatcact gcctctttgt 180  
 gcttagtggt cagtaaagct tcccataggg ctttggtgtg ggtgtcactg gattgtgaaa 240  
 gacagcctgg tgcaaccaca ttataatttt cctcctcagt atggagtgcg gtgagcgcta 300  
 tcatgttaac catcacatca tttgtgtggc ctgggagctg ggggaagtgc gaaatgatct 360  
 tcttactaa gttgtctcca tgatgtccaa ctgctcctgt gagatccang gttctgtcca 420  
 caaaaaccac tgatgcctcg cctgcacagt cttcttctcg ttctttgcag gggcataatt 480

```

ggacctcggc cgcgancacn ctnagggcga attcancaca cttggcgncg gntctaattgg 540
atccnaactc ggtccaagct tggcgtaatc atgggc 576

```

```

<210> 122
<211> 624
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 486, 571, 607, 614
<223> n = A,T,C or G

```

```

<400> 122
gagagcgagc tgagtgggtg tgtggtcgcg tctcggaac cggtagcgct tgcagcatgg 60
ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120
aagatgggtg tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
agaatcccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
gcacaattga ctccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300
gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360
gtgctgcaga acttcgccat gtgatgacaa accttgaga gaagttaaca gatgaagaag 420
ttgatgaaat gatcagggaa gcagatattg atgggtgatg gtcaagtaaa ctatgaagag 480
tttgtncaaa tgatgacagc aaagtgaaga cttgtccag aatgtgttaa atttcttgta 540
caaaatgggt atttgccctt tctttgtttg nacttatctg taaaagggtt ttcctctgca 600
aaaaatngca tgtntagtaa ttag 624

```

```

<210> 123
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 359
<223> n = A,T,C or G

```

```

<400> 123
aaatagagtt aatttgaagt aaaccagaga gttttgtgtg cagaagcatt ttgcttaact 60
tagggccatc accacattat gaactcgtgt gtgtgtgtgt gtgtgcacgc gcgcgtgcac 120
aggctagtgt ccttctgtgg gtgtgtctgc gtgaggaccc atccatgcat gtttgatctt 180
tatggcctcc ccctgtgcac ctgcgcctat ggataaggta tagtcttgtc ttgattccca 240
gtattcattc tccttgaaga atcctgacag ctttcagtca cttcccttt tccagtctcc 300
caaaagcaat ggcgccctaa atgtgcggta aggatgaggt gagtcttgag gtagcctang 360
ccacag 366

```

```

<210> 124
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 125, 134, 234
<223> n = A,T,C or G

```

```

<400> 124
ctgaagcagc agaggtgatt ctgcgtgtgg acaacatcat caaagcggca cccaggaaac 60
gtgtccctga tcaccacccc tgttaagcat tcccacgtgc tgtcgatctt tggaccagtt 120
tctancaaag ttgngtttga aagatactct attaaagaag actgttgaat ctgtttatcg 180
gtgcccatta tatccttaag tttggatatt tagctgacct tcgctttaac atangtctaa 240
tttatttgcc gtgtcatttt ccatacaaat cagttgattt                280

```

```

<210> 125
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 499, 502, 520
<223> n = A,T,C or G

```

```

<400> 125
gttggggggc gtcccgtccc taaggcagga agatggtggc cgcaaagaag acgaaaaagt 60
cgctggagtc gatcaactct aggctccaac tcgttatgaa aagtgggaag tacgtcctgg 120
ggtacaagca gactctgaag atgatcagac aaggcaaagc gaaattggtc attctcgcta 180
acaactgccc agctttgagg aaatctgaaa tagagtacta tgctatgttg gctaaaactg 240
gtgtccatca ctacagtggc aataatattg aactgggcac agcatgcgga aaatactaca 300
gagtgtgcac actggctatc attgatccag gtgactctga catcattaga agcatgccag 360
aacagactgg tgaaaagtaa accttttcac ctacaaaatt tcacctgcaa accttaaacc 420
tgcaaaatth tctttaata aaatttgctt gttttacctc ggccgcgacc acgctaaggg 480
cgaattccag cacacttgng gncgttctag tggatccgan ctcgtaccaa gc          532

```

```

<210> 126
<211> 534
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 376, 394, 451, 489, 524
<223> n = A,T,C or G

```

```

<400> 126
ctgcaattac atcatttttt atctatcttc tgcttttact ttgtgtaggg tagggatggg 60
gacttacaaa tgggccaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
gagatacaaa gaaagtaact ctccctctta tgaaaagtaa ccaggaactc tactccagtt 180
atgagggcca ctgatggtgt gggagagcta tcaagaagat tcttcctaga cgtggtgcaa 240
agacagtgag aaccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
ctattctatc tcaacttttg ccccatcaaa tctaatagata aacaaaagaa ggtaattaca 360
tgtagaaaat caaagngaag gggaatgtgg tggngtgaac ataaaagaag aaattgaaaa 420
caatcaaaaag tttctcagtg ctgctttccc ncaactgtcat agaaatctct gatccaattc 480
ttcatatgnc taacttccaa ggacggctaa cagcacagac atangaatcc aacg          534

```

```

<210> 127
<211> 529
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 489, 505, 525  
 <223> n = A,T,C or G

<400> 127  
 cctagcaggg aagcagcatg caggcttcac agcttaatgc caaggacagc gagtgaggct 60  
 gggagcttct cttgggcctg ctgggtctgt cagctctcgg aatagggaca gtccttactg 120  
 gtgccccaaag gtgggacttg gagaatattt tgcttggcat atgtttgggtc tgaatgggtgt 180  
 agttgctggt tccctagaga ggaaaagggtg gcaggcccag ctttgctggg aaatggctct 240  
 taatttccag ttgaaaccct agtagaattg tgaatgaaaa cctcaagggtt gagccccctct 300  
 gccaaagcagc agagctagta gaaggggatg cagggggcaaa gcactcagtt gccaaagcaag 360  
 gaggagagat gtacgtgggc tgtgtggcag tccccacacc ctgccctggc ttcttcagggt 420  
 tatcgcacca ctatggaatc ctttgcagaa tggtaactcat ataatgggtt tacctcggcc 480  
 gcgaccacnc taagggcgaa ttcanacacac ttgcggccgt tctantgga 529

<210> 128  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 332  
 <223> n = A,T,C or G

<400> 128  
 aaatttctcc ctttgtgtga gtatgactat agttctggcc tgggtgttttc tatttattta 60  
 gtttttagatg tcagcatttt actatacttg gtccctctcac ttcagaataa cagggctatt 120  
 tattgatata aaggagaggt gttcagatca tcttgtaag atgcagagct caaaataaac 180  
 actaaatctt tatttggaga tccacatcct tcctcaaagg aaggctcatg agtaaatttg 240  
 tatgcagtat aaagcccaag tagaggggtgt atttttaatg actactttgc ttacatttta 300  
 gattgtgcaa atgtctcaat caatgcttgc angaatgtgg accttcctca gttttaagca 360  
 gaagaccctg agcaataaat actgttgcag gcttccaata accgtgaggg gatgggatag 420  
 aaatgctatc taccgcactt ctgaggagaa aacaaagcag gggcatgaaa aatatacaac 480  
 agagatcagt aaatgggttc aaatgaacca gtaaaccatt tttgccttac g 531

<210> 129  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 465, 527, 534  
 <223> n = A,T,C or G

<400> 129  
 aaaaaacaca tttatcagaa tacttcagga aaccatacta tgtgtaatcc aggaaataca 60  
 ctattttgcag aataggaaaa tcatcactgg caacaaaaga ttaaaacaaa aataaagcac 120  
 caggattctg agcagttcta aggtgagtat atcagcagaa atagtgtaaa tgctcttgac 180  
 tggttgctat gcaaacatgc taatgaggac tagtccatgt cttataattt tttttttaac 240  
 atgtttcttt ggaaaaatgg caatattgag tggaagagaa gctgtccttt tagacacca 300



```

gcttattggc ctgggtgaga acaactttga gaactggcat gaaagcagag gtctcactga 360
agttgctggg gctaactatg tgggtatgca tgggtcaatcc ttctgagtag ttctgagttt 420
caatgctcct tgcaatgttg gggtaaacca ctgggtgattg ttggngaaag tgtctgttcc 480
ctaagtttat catacagaaa ctccaacgtt tgctggcatt catctanctt cctn      534

```

```

<210> 130
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<400> 130
ctgtctgacc atggggacct tctgtctgaa gaggagctgg atgaatgaga ctctgggaat 60
catctacaca ggaccaaacc caacaggcgc cctggcaccg gggagggggg agttgtactc 120
tgcttgtaga gtcccttgagc ccagtttaca gatctggaga gcaggaggcc aggacaagga 180
caaaggctgg aggatggagt aggaccagg ggctctgcc tccataggcat cattcaaggt 240
cttttatgaa gactttacag atgtcctctg taaatagcat cgagagtga gttcagctcc 300
tttctctact tttttttggg ctgatggcac atatttattg ttctgtggtc taatcacagt 360
gtttctaaat gtaaaaagtg catatgttgg tgtagctagt cccgggcggc      410

```

```

<210> 131
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 483, 486, 487, 519, 525, 527, 529
<223> n = A,T,C or G

```

```

<400> 131
cctgggtggcg ggcgcctgta gttccagctt ctgggaaggc tgaggcagga gaatcgcttg 60
aaccctcctg ggggttgagag attgcagtga gccgagatcg tgccactgca ctccagcctt 120
tacagtaagg aaaacagaag cccagagaga tctgatctgg ttcccatgtg ggggccgaag 180
ccactctgcg gccattgcct ttgtcatcct gcagggtgga gacagctttg cctccctttt 240
gcgtttggga tttttcagaa taactgtagc cagtgcctcc tgtttatgag tactgttcat 300
ccaaataatc cttcgggggt ccttctggtg ggtgtgtggt aggagcaaca caaacacca 360
gcaattggag aaaacagaag aaaagcgata atgtggtctg gagactagag gatagctctg 420
cggtcagccc tgccctcggg aactgctggg gaggtgggat ggggtcaggg agtggacctc 480
ggncgnnacc cccttaaggg cgaattccag cacactggng gccgntntn      529

```

```

<210> 132
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 132
gcgaggggtga gggccccctg ctgcgctggc tcaagggtgaa cttcagtga gccttcattg 60
cctggatcca catcaaggcc ctgagagtgt ttgtggagtc cgtgctcagg tatggactac 120
cagtgaactt ccaggcagtg ctccctgcagc cgcataagaa gtcattccacc aagcgtttaa 180
gagaggttct aaactctgtc ttccgacatc tggatgaagt agccgctaca agtatactgg 240
atgcactctg ggagatcccg ggactgcaac tcaataacca agactatttt ccttatgtct 300
acttccatat tgaccttagt cttcttgact agaaaggcca g      341

```

```

<210> 133

```

<211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 401, 526, 528, 529  
 <223> n = A,T,C or G

<400> 133  
 ccagagtggg agaagagata cggagtagga attaaaccac acaatgttat ttagggacta 60  
 agccatgccc ctaacaagaa aacaagccaa aaggaaagta ttaggcattc tctgggaagg 120  
 catgcatttt tttcccatgt ctctggggcc aaaaacotta taccaagtac ctattggcac 180  
 ccgaatatat ttgtagaatg aatgaataca tgaaaaaaa taaacagtaa cctttctcct 240  
 atattctact ttccaagcca attaataagc aagtgtcttt tcgtcatgat tttttttgtt 300  
 ttctgttttag gatttaacaa aatggttgag ataacagtca cttctgtttg atgaagagta 360  
 tcacttcatt ccatttttgt gtttttgttg gcattctcaa ntcagaataa atgccttttg 420  
 gagcagatat atttcattta gcatttagta tcattctcat caatactcgt atgaacgaaa 480  
 aaataaaaag ccctctttta ttccactcta caaccgcgat tcaaangnng atctgg 536

<210> 134  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 159, 454, 482, 524  
 <223> n = A,T,C or G

<400> 134  
 aaaggctata tttttcagca tgtaggtagc tacaactgtaa tctgttgaa gaaactttcc 60  
 tatttaagct tataggatga aaatatataa ttaaagtctt ctgatcatag cttgagacca 120  
 tcaagggaat gtttagtttc ctccacaaag agccaccang attttctcat aatctccttt 180  
 ggtttcatcc aggatggctt ggcaaaggga gataccatac atcttctgat agaatgcttt 240  
 gatattcatt atgtcaattt cagaacggga aaccataatc ctgatcaatg ccttatggcg 300  
 agttccaaca cttttcatgg cttgatgaag cttctctgca aagaaagctg gtttgcttgt 360  
 ggcgcacttc acgatagctg tgaggcattt ctcaatgtca cctttcaact ccagggtocag 420  
 aactttgttc atgtcatgct tactgtactt gggngtattt ctgaaacact ctgcgaagtt 480  
 gnggatagct tctggtggta aggatgggat tgaacacgtt tacntctgtc ccctttc 537

<210> 135  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 56, 326, 354, 400, 410, 418, 469, 493, 518  
 <223> n = A,T,C or G

<400> 135  
 ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacnaaag 60  
 gaaaactaag actccaaca taaacagggc cttgaggggg ggggattaca ggcacttggg 120

```

catggagtct tcggctgcag gaagcactcc gcttattctt caggaatggg aaaggcgtga 180
cccaacgaga gcatctgtct cagagctcca ctccagggtca cccctctcca gaggccggta 240
tgggggtggct tcagacttcc actgcacgac ctggagcacc aagaccacac accacaatac 300
caaattcacc caagaagagg ttctcancatt gtgtagggttg gagtaaaact gcanagcagt 360
tccagggggt gtccatggaa ttttctgggc ttccagagcan ctaattgtan tgttcaanga 420
gatgatggag ttgcagagag acctgggtgcc aaatcgaagg atacaggcng acaccaagaa 480
ccaggaagac ggntatagct gaaatggact ccggcccnaa caccctaagg gg 532

```

<210> 136

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 492, 534, 535

<223> n = A,T,C or G

<400> 136

```

aaaacaggcc cagtcaatgc catttattat acatgtcaaa cagcttctaa gaccgaaggg 60
ctcccataat aagggttttg ggattttttg ttttgttttt cattttcttt tttgcatcaa 120
acaggttctt ccaaaagcct gctcacaagg tagacaaaaa cataaatctt caggaaaatg 180
aaacaagaga agctgaaaca atctacacct gaatgttaaa aaactcatca gacacaaacc 240
acaccaaaca ctcatcccat ttaatttctt gttacatgct ctgaggaagc caagaacatc 300
aggccccagg gcagcaatgc tctaggattc cagctcggac cccctctata tgacagattc 360
atgcacacac atccacacac catataacca ggcagaaata cacatgcatg cacagggtggc 420
tagagaacca tagggcagga tgggaaaaag ggctgatcaa ggatatgcaa tcaactggaa 480
actgggacct anagaatgct tctgtgcagg atgaacatga gttaaaatta aaann 535

```

<210> 137

<211> 536

<212> DNA

<213> Homo sapiens

<400> 137

```

ccaggctggg ctccaactcc tgggtctcaag tgatccgccc gcctcggcct cccaaagtgc 60
tgggattaca ggcttgagcc accatgcccg gccagactta cttttttggt aacgggtcttt 120
gaaccttttc acggcacaca tgtaaggccg cctgtgacat gtggtagcct ggccctccaa 180
tggacacaac tgcatttata gtttagcgaa aatacaaaagt tctgaaagta gccttaaaag 240
aagtgccttt tgctttgaca tagcaatatc aaaagcaagt gggactgtgc aatcagagcc 300
atgagtttta tgaaaactac tttcctttca catcatttgt tagagaatgc cacacccatg 360
atcatgtaac attattacaa tcatgaaata ttactacatt cgtgattaac attacccaaa 420
aggcacatct tcaaattgtt aattaagaaa atccaaaaat caaaacagta gagaatacat 480
taaaaatcaa gcatttaatt tgtaaacctt aatgaaataa cagcctactc cagttt 536

```

<210> 138

<211> 533

<212> DNA

<213> Homo sapiens

<400> 138

```

ccagacaatg aatgagaagc aactcttcca tgggacagat gccgggtccg tgccacacgt 60
caatcgaaat ggctttaacc gcagctatgc cggaaagaat gctgtggcat atggaaaggg 120
aacctatatt gctgtcaatg ccaattattc tgccaatgat acgtactcca gaccagatgc 180

```

```

aaatgggaga aagcatgtgt attatgtgcg agtacttact ggaatctata cacatggaaa 240
tcattcatta attgtgcctc cttcaaagaa ccctcaaaat cctactgacc tgtatgacac 300
tgtcacagat aatgtgcacc atccaagttt atttgtggca ttttatgact accaagcata 360
cccagagtac cttattacgt ttagaaaata acactttggg atccttccca caaaattatt 420
ctccatttgt acatatctag ttgtaaaaca agtttttagct ttttttttaa ttcctcttaa 480
cagatttttc taatatccaa ggatcattct ttgtcgtgc agtcagtctt tct 533

```

```

<210> 139
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 412
<223> n = A,T,C or G

```

```

<400> 139
aagggtgctcc ttgccgcgcgc cctcatcgcg gggtcogtct tcttctgct gctgccggga 60
ccttctgcgg ccgatgagaa gaagaagggg cccaaagtca ccgtcaagggt gtattttgac 120
ctacgaattg gagatgaaga tgtaggcggg gtgatctttg gtctcttcgg atagactggt 180
ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240
aacagcaaat tccatcgtgt aatcaaggac ttcgatgatcc agggcgggaga cttcaccagg 300
ggagatggca cangaggaaa gagcatctac ggtgagcgtc tccccgatga gaactttgcc 360
aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga anaactggga 420
gcccgttggg gtctttgcct gcgttgg 447

```

```

<210> 140
<211> 397
<212> DNA
<213> Homo sapiens

```

```

<400> 140
aaatgcattt tattttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tcccatttgt 120
cttaagtccct ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
tccaaaataa ttgccacatt tgttaacatt tttccatttc taaaccatcc ttaaagaaaa 240
tcatatatgg ggtcacacca tcttcacggg agtccaatag agcaaccatg ccatctggat 300
tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
gttctgcagc ccctgtcata aaagggttta ctctttc 397

```

```

<210> 141
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 141
atcaagcaca tccttgctaa tttcaaaaac taccagttct ttatttggtga aaacatgaat 60
ccagatggca tggttgctct attggactac cgtgaggatg gtgtgacccc atatatgatt 120
ttctttaagg atggttttaga aatggaaaaa tgttaacaaa tgtggcaatt attttggatc 180
tatcacctgt catcataact ggcttctgct tgtcatccac acaacaccag gacttaagac 240
aaatgggact gatgtcatct tgagctcttc atttattttg actgtgattt atttggagtg 300
gaggcattgt ttttaagaaa aacatgtcat gtaggttgtc taaaaataaa atgcattt 358

```

<210> 142  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 526, 529  
 <223> n = A,T,C or G

<400> 142  
 ctgcttccat tggtaggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60  
 tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120  
 cttcatggtg catttcgaca gatcttactt ccgttgtaac gttgactgga gcaaagggtga 180  
 ccaccatacc gggtttgaga acaccagtct ccaactcgcc aacaggaaca gtaccaatac 240  
 caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300  
 gtggttaggat gcagtccaga gcctcaagca gcgtggttcc actggcattg ccacccctac 360  
 gggtagcttt ccaccccttg aaccaaggca tggtagcact tggctccagc atgttgtcac 420  
 cattccaacc agaaattggc acaaatgcta ctgtgtcggg gttgtagcca attttcttaa 480  
 tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggntgna ggggggg 536

<210> 143  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<400> 143  
 aaataaaata tgcttattaa acactcctgc aaagatgggt ttattagtag cctgggtcatt 60  
 ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120  
 ataaaaacgc tacatttgtg gtattttttg ttcagctaag aattggaaaa gtatttgctt 180  
 gccttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240  
 ttgcataaaa tgcaaatcgg tgctgtgtct tgaagggttc ttagagagcat ctgacccctt 300  
 attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacagggtg 360  
 tttctatcta gattt 375

<210> 144  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 144  
 aaagatcaac ttttattgta acaaatataa agtcatcaat gttttacaaa ttgtcaaaaa 60  
 tgctttaagt acaaaaaaat acattagtaa aatgaaagtt atgttgtatt atttggtata 120  
 cacttaatac tgccaacatg cataacacat gccagaaaag ctcatgcatt attggaagag 180  
 aaaagaaatg tgatgtaact gctatattgt ctgattataa attcattgct tcagtcagtt 240  
 ttctttcttc agggatacca ttacctgca atgtgtgaaga atgaatatgg gcaggagtta 300  
 gtcagggtcat ggatactttt agattttgag caaagcaaat tatggcaagg agaaagtttc 360  
 catcttctta atacaatgta aaataattac attgcattat ttctctgtat ttgggttttt 420  
 t 421

<210> 145  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 145

```

aaaacatcca aagcccagtt aaatttgggtg ccagaaactg aggcaatgga aaaagctggt 60
gatagcctca cgaatcttaa ccctgtcact tgggttaaaa ccattggaaa ttccactatt 120
gcaaattttg tattaatcct tgtatgtctg tcctctctat tgtagtcta cagggtgtatc 180
cagcagctcc ggagagacag cggctagcga gaacggacca tgatgatgat ggcggttttg 240
tcaaaaagaa aaggggggata tgtaggggaaa agagagagag atcagactgt tactgtgtct 300
atgtagaaag ggaagacata agagactcca ttttgaaaaa gg 342

```

<210> 146

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 32, 48, 50, 55, 62, 68, 74, 76, 80, 84, 93, 99, 101, 106, 110, 114, 120, 122

<223> n = A,T,C or G

<400> 146

```

tgtaaatacg gaacntcacc taataagggg gnccggaaat ttgggggncn ccctncttta 60
gnaatggnc cccnagaccg ggncctccgnc nccagnttgn tggnaatggn 120
gnaatta 127

```

<210> 147

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 81, 88, 97, 133, 159

<223> n = A,T,C or G

<400> 147

```

cgaagacctt tgctctgctg ctgctgtccc tgttcctggc agtgggacta ggagagaaga 60
aagaggggtca cttcagcact ntccccncc tgccctgntgg atctcatgct aaggtgagca 120
gccctcaacc tcnaggcccc aggtacgcgg aagggaactnt catcagtgcac tacagtattg 180
ccatggacaa gattcaccaa caagactttg tgaactggct gctggcccaa aaggggaaga 240
agaatgactg gaaacacaac atcaccacaga gggaggct 278

```

<210> 148

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 132

<223> n = A,T,C or G

<400> 148

```

ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60

```

```

gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120
tggaaggaag gncctattgt acttactaag cccagagat cctgcacata cagtacgaga 180
aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240
ccgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300
cgccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggatc 360
tgccactgga gacgttcagc ctacatgaa tgccatcgcc agcttggcag caacaggact 420
gcatcctggt ggcaaggacg gagagcttca cattgcagaa catcctgcag gacatctagt 480
tctgaagtgg ttaatagagt agataaaaag atgaaagaaa atggggagag aaggttgg 538

```

```

<210> 149
<211> 121
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 14, 29, 35, 42, 50, 55, 56, 70, 88, 93, 95, 106, 107, 117
<223> n = A,T,C or G

```

```

<400> 149
tccaantctc gggncggggg cctcaaan atccntatgg ancaaggtgn tgtannatct 60
accctatctn tcaggataac gatcaacntt tananctcat ctactnnttt cctacantat 120
c 121

```

```

<210> 150
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<400> 150
ctggccaacg gggccctcaa agtctccgtc tggagtaagg tgctgcggag cgacgcggcc 60
tgggaggata aggatgaatt tttagatgtg atctactggt tccgacagat cattgctgtg 120
gtcctgggtg tcatttgggg agttttgcc aacagagggt tcttgggaat agcaggattc 180
tgctgatca atgcaggagt cctgtacctc tacttcagca attacctaca gattgatgag 240
gaagaatatg gtggcacgtg ggagctcacg aaggaagggt ttatgacctc ttttgccttg 300
ttcatggtca tttggatcat cttttacact gccatccatt atgactgatg gtgtacagct 360
cccaagtgtc ccctatccag tccaaaggac cctcttgatt acagcacaag gaacttgatc 420
gttgggggaa cccacccctt ggaacttgga agacctgtt tctgggaccg cgaatcagtg 480
tgggtggggc tcaagtgttt tcttgcaagg gttgtgacct gaaactttta cctgccg 537

```

```

<210> 151
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 151
aaaagaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttggaa ataaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagttcct ctttgaaata acccagcttt 180
gccaatgaca tctcttttct caactgcata acctcccaaa acatctgatc aacatcctgc 240
tgtttcacga gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
atcctgtatc tgcaaaaagg agaaatataa taatagttgc ttgagtcctc taatttaatt 360
ctgtgtttac aggacttact ctgg 384

```

<210> 152  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 351  
 <223> n = A,T,C or G

<400> 152  
 ccaactcagc ttttgtggag cgagtgcgga aacggggcctt cgaggtggta tatatgaccg 60  
 agccattga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctggtct 120  
 cagttaccaa ggagggctctg gagctgcctg aggatgagga ggagaagaag aagatggaag 180  
 agagcaaggc aaagttttgag aacctctgca agctcatgaa agaaatctta gataagaagg 240  
 ttgagaaggc gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca 300  
 cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact 360  
 ccaccatggg ctata 375

<210> 153  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 153  
 ccagagcatc tcgtgtggac catctaggct ccttgggcctt caagcaggac ctgagccaca 60  
 tgctccctgt acgagctgtg ctatacctgt cccacatgag cacggagagc ctcatgttgg 120  
 tgggtttcca gagtgatgtg aaagcctctc accccaatcc tcggagactg agttccacaa 180  
 cttttttagt agctcatagt gttatttttc tactctcttc atgaaactaa ctttatttta 240  
 taataaatat atattttctg tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 289

<210> 154  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5, 14, 29, 37, 44, 54  
 <223> n = A,T,C or G

<400> 154  
 tcctngagtc atanctgttt cctgtgggnc atatatntgc atcngtggag cggnccgcca 60  
 ttgcgatgga tat 73

<210> 155  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 12, 17, 46, 71, 76, 104, 116, 126, 129, 149  
 <223> n = A,T,C or G



&lt;400&gt; 155

```

cttnagacaa angactnaaa acactctttt aatgcaagcc tgaatnttca agcacataaa 60
atctttcttt nttaanctta atttcaacat cactggaata aatncctatc gttaanccct 120
gatatncant cttaaccact tgcagccant gttcatgagg caaaacgtga cccaccagac 180
tttgttcaag ttctcctcct agggcgctca cattcacggc ggctactccg tttctgtctc 240
cttttgtttg gcacctgtca gtggatggaa gatgaaagtt tcaaagctca tggtaacagc 300
agggttctct accccagggg tttctacctg tgtctggcag tgccttagga ggatgatcca 360
gaggcttcgg aggagggcga cgtgggaagg agcaggtagc ccaagctccc atctcccacc 420
c                                                                 421

```

&lt;210&gt; 156

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

```

ctgagcaaaag gacagtctta cagcgtcaat gtcaccttca ccagcaatat tcagtctaaa 60
agcagcaagg ccgtgggtgca tggcatcctg atggggcgctc cagttccctt tccattcct 120
gagcctgatg gttgtaagag tggaaattaac tgccctatcc aaaaagacaa gacctatagc 180
tacctgaata aactaccagt gaaaagcgaa tatccctcta taaaactggg ggtggagtgg 240
caacttcagg atgacaaaaa ccaaagtctc ttctgctggg aaatcccagt acagatcggt 300
tctcatctct aagtgcctca ttgagttcgg tgcactctgg                                                                 339

```

&lt;210&gt; 157

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

```

ccagccctcc tgtcttctcc ccgtaccttg tagttagacc gaggtgagaa tcctgctgac 60
cccagtccca tcccctctca tttcaggaaa acccttttgt gattcaggta gggggagagg 120
aggagtttaag ggctccgttt actcccaagt catggatttt taatattcca tttttatcac 180
taatatacct ctcttcttag aagctactgg agtattgagt gttgtgggaa aaggctaact 240
gtgaattaag ttaatgtttt tcttataaga aatggaagtt tattttttta ttgatattac 300
tatgtgatga actgagtatg catatactga aatggaagga aatttt                                                                 346

```

&lt;210&gt; 158

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 501

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 158

```

aaacaagggt tccccatgaa gcagggtgtc ttgacccatg gccgtgtccg cctgctactg 60
agtaaggggc attcctgtta cagaccaagg agaactggag aaagaaagag aaatcagtt 120
cgtgggttgc ttgtggatgc aaatctgagc gttctcaact tggttattgt aaaaaagga 180
gagaaggata ttcttgact gactgatact acagtgcctc gccgcctggg ccccaaaaga 240
gctagcagaa tccgcaaact ttcaatctc tctaaagaag atgatgtccg ccagtatgtt 300
gtaagaaagc ccttaataaa agaaggtaag aaacctagga ccaaagcacc caagattcag 360

```

```

cgtcttggtta ctccacgtgt cctgcagcac aaacggcggc gtattgctct gaagaagcag 420
cgtaccaaga aaaataaaga agaggctgca gaatatgcta aacttttgga cctcgggcgc 480
gaccacgcta agggcgaatt ncagcacact tggggggcgt tctagtggga tccc 534

```

```

<210> 159
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 159
gcgagcgtct gggcggttg taggaacaat ggcgtgtct taagtggcac agtggagcag 60
ctctgaagat gcaaagatac acgaaaaaac ttccagaaca tctgggagaa tatttaattg 120
aaaatcgctt ggttaaaacc tgacactttt aacagtgaac agcgttctga gtgtggacga 180
gtagccagtg aagataatga atgtcgaatg tgactgacta gcagcttcat tttgaatgag 240
ggtcgtgtc tgcccattga tagaggccag attgtcttgg aagttccaaa gttgcaacga 300
tttctggcta gtgccacgag gtttacttga ctgttgtgtg aaaagctgat aagaaaacca 360
tccagaaaaa agctcttcgt tttaaaaaca tgaaaataaa acatgtaatt ttggattac 419

```

```

<210> 160
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<400> 160
gggatcgcaa ggctgaggat gccaggaggg actatgaaaa agccatgaaa gaatatgagg 60
ggggccgagg cgagtcttct aagagggaca agtcaaagaa gaagaagaaa gtaaaggtaa 120
agatggaaaa gaaatccacg cctctaggg gctcatcatc caagtcgtcc tcaaggcagc 180
taagcgagag cttcaagagc aaagagtttg tgtctagtga tgagagctct tcgggagaga 240
acaagagcaa aaagaagagg aggaggagcg aggactctga agaagaagaa ctagccagta 300
ctccccccag ctcagaggac tcagcgtcag gatccgatga gtagaaacgg aggaagggtc 360
tctttgcgct tgcccttctca cccccccga ctccccaccc atatttttgt accagtttct 420
cctcatgaaa tgcagtcctt ggattctgtg ccactctgaac atgctctcct gttgggtgtg 480
atgtcactag ggcagtgggg agacgtctta actctgctgc ttcccaagga tggctgttta 540
t 541

```

```

<210> 161
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 161
ccaccgacag acctgggctc aaattggacc tgctgctttt gactgtgaga ccttcataa 60
gctccttttg ctccaagcct cagttttctc ctctgtgaaa cagagaaaat cgttcctatc 120
agagttctta tgaggatgaa atgggatttt ggatgtaaaa tgcttccatc cagtacctgc 180
taaacaaaat gcttactaat ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt 240
gggaggctga ggcgggcgga tcgcttgagg tcaggagttc gagaccagcc tgg 293

```

```

<210> 162
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 458, 528

<223> n = A,T,C or G

<400> 162

```

aaaactgcaa gcaccatgcg gttcatacaa tcttggttatt actgttaatt tatcaactaa 60
tacaaactca aaaatgcac cggccagcag cgccagcaat ttcaaattggg aacttaaaaa 120
tacactttta ttttggtatt tttgtcagtg caacttaaat ccttttactg acctgcagaa 180
aaaaaaagta ataataaaga aaaacaccca tatcttcctt ataactacta tacaactgaa 240
gaattgaagg ggggggacac caccaagaac tcttcctact atctcaaaag caggggaaaga 300
aacgcaatgc attggtctaa agaacgcact tgaaagttgc aaaattactt gccaatgttt 360
gggtttcttg tacattctga gcatagcagt tgggtcagtg cagtgtctgc ttaccagtgc 420
actgccaggg tcagggatgg ctaagcctct caccctanga gcgctgtggc tcctacaatt 480
agcgaggcc cagagggttc agaagggacc tcagggtgat tctgggttnca taaaaa 536

```

<210> 163

<211> 533

<212> DNA

<213> Homo sapiens

<400> 163

```

gagcccacag gggaagagca gcggaagggg cctttcggaa cgattttggaa tgaaaggaag 60
tggaagaaac gcggaaccat ggccgctgtg gttgctgttt gcggtggtct agggaggaag 120
aagttgacac acttggtaac ggctgctgtc agccttacac atcccgggac tcacacgggtg 180
ctttggagaa gaggttggtc acaacaggta tccagcaatg aggacctgcc catttcaatg 240
gaaaatcctt ataaagaacc tcttaagaaa tgtatcttgt gtggaaagca tgtagattat 300
aagaatgtac agcttttgtc ccagtttgtt tctccattta ctggatgcat ttatggaagg 360
cacattacag gtctttgttg gaagaaacag aaagaaatca caaaagcaat taagagagct 420
caaataatgg ggtttatgcc agttacatac aaggatcctg catatctcaa ggaccctaaa 480
gtttgtaaca tcagatatcg ggaataaatt ctatcacgtt ccctaataaa ctt 533

```

<210> 164

<211> 331

<212> DNA

<213> Homo sapiens

<400> 164

```

ccagaccatt ggctaggacc tggctgtatt ttccatcctt tacatccttc tgtctgttca 60
agaaccagtc tgggatcttg tactggcgtg gattctgcat aatgggtgatc acacgttcca 120
cctcatcctc agtgagttct cccgccctct tggtaggtgc aatgtctgct ttccctcaaca 180
ccacatgagc atatcttcgg cccacaccct taatggcagt gatggcaaag gctattttcc 240
gccgccatc gatgttggtg ttgagtactc gcaaaatatg ctggaacttt tcagggatca 300
ctagagacat ggctgcagca caagcggcgg c 331

```

<210> 165

<211> 200

<212> DNA

<213> Homo sapiens

<400> 165

```

ccacctggaa ccacctgtc ctgtctgttt acatttact atcaggtttt ctctgggcat 60
tacgatttgt tccctacaa cagtgcacct tgcattctgc tgtggcctgc tgtgtctgca 120
ggtggctctc agcgaggtac ggggagggcg tcacctgca gaacggcaga gtgacgcgtc 180
ctctcgctgc tgagcaccag
200

```

<210> 166  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531  
 <223> n = A,T,C or G

<400> 166  
 ctggtggtta acaagtggat cgtcatgttc agtagtttat acattatgtg agaagtaacg 60  
 ttctgattct ttttcttaca cagaattggc agaggggggtc gatttgggag gaaagggtgtg 120  
 gctataaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac 180  
 aatactacag tggaggagat gcccattgaat gtggctgacc ttattttaatt cctgggatga 240  
 gagttttgga tgcagtgttc gctgttgctg aataggcgat cacaacgtgc attgtgcttc 300  
 tttctttggg aatatttgaa tcttgtctca atgctcataa cggatcagaa atacagattt 360  
 tgatagcaaa gcgacgttag tctgtgagctc ttgtgaggaa agtcattggc tttatcctct 420  
 ttanagttag actgttgggg tgggtataaa agatnggggt tgtaaaactt tctttcttan 480  
 aaatttattt cctanntctg tacanntggt tgnttagatg tcnctatcat ntc 533

<210> 167  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 474, 510, 520, 565, 577, 586, 595, 603, 604, 610, 623, 626,  
 631  
 <223> n = A,T,C or G

<400> 167  
 ccttccagca ccgttctgtg tcttggctgc agttcaacaa ggagatcctg ctggggccgtg 60  
 gcttcacctt ttggcagtgg tttgatgggt tcttggacct caccaaacgc tgtctccgga 120  
 gctactggtc tgaccggctg atcattggct tcatcagcaa acagtaccgt tactagcctt 180  
 ctctctcaatg agcccgacgg aacctttctc ctccgcttca gcgactcaga gattgggggc 240  
 atcaccattg cccatgtcat ccgggggccag gatggctctc cacagataga gaacatccag 300  
 ccattctctg ccaaagacct gtccattcgc tcaactgggg accgaatccg ggatcttgtc 360  
 cagctcaaaa atctctatcc ccaagaagcc caaggatgag gctttccgga gccactacaa 420  
 gcctgaacaa gatgggtaag gatggcaggg gttatgtcca gctaccatca agangaccgt 480  
 gggaaaggga ccaacccact ttctaccccn aacttcagan gcctaccatg ggggccttct 540  
 tattaccttt ggaaaggccc ctganttctt ccatgancat tccagnttgg cccanaaatt 600  
 ggnnccccan ggggacccca cccantttt nctcct 636

<210> 168  
 <211> 93  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 59, 74, 76, 85  
 <223> n = A,T,C or G

<400> 168  
 ccttccagca ccgttctgtg tcctggtcgc agttcaacaa ggagatcctg ttggggccgnt 60  
 ttttcacctt tttncntctt tttantgcgc ttt 93

<210> 169  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,  
 342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,  
 470  
 <223> n = A,T,C or G

<400> 169  
 caaaaggtga ctagacatac ttggaagttc aaagcagtag gatgtagctt gcagggaaaa 60  
 gaaaaccctt ttccatgttg ttaggcagaa gtatatcaaa tatatcccaa ttccacttga 120  
 taaagtcagn ttggatgacc tccttnaacc aatctanggc anaacactta gtaaaagcgg 180  
 gccctgggtg gggatgtgaa tccaggagaa gaggggcacc annatcccat gcagcgccaa 240  
 acacatccat tccaccctct aacacatacg angcatgtca ccccatgtgc ctggacacaa 300  
 gatntacnat aacaggnnagc taatgggcac tgctcccacn gnetggggnt ttctaattgg 360  
 cttttaaatt caaggccntg gaaaaaaatc cttttacccc ccaancacna aacttggcct 420  
 ttngaccttt ccnncatnac aggatnttnt ggggggaaaa ttctttnggn tccccatac 479

<210> 170  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 72, 118, 120, 125, 128, 130, 138, 154, 155, 162, 175, 176,  
 190, 194, 214, 250, 262, 269, 291, 293, 309  
 <223> n = A,T,C or G

<400> 170  
 aaattgctac gtcagtacac caaggagtct agtgatctac atgactacat gaaaagcttg 60  
 aattatacct gngatccaat ctccagctca ctgaatcagt ggcggggaag ggaaaaanan 120  
 aaaangangn aaaaaganag atttcattaa tagnnccctt tnaaactcca aaatnntctg 180  
 catttaagcn catncaatca ggtaccttaa agangacat ttttgttctt tgcaatttgt 240  
 ataccagaan cactccttcc anactcacnt gaatttatatt ccttcccaat ncntgacaat 300  
 gcccttggnc ttgaa 315

<210> 171  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 41, 203, 288, 308, 401, 403, 415, 470, 490, 531, 535, 540,

547, 556, 560, 563, 577, 587, 599, 600, 604, 612, 613, 624

<223> n = A,T,C or G

<400> 171

```

aaattatttc actgaagctg agattattag tgatacaaag ntaaaatttc aatatttaaat 60
ttctctatat attattaata ttaaattggt ttttacttat aaattcatgt tctcatctga 120
tttaatatta aatttgtata ggtgggcgtt tcttaccatt ttgcacaagt ttttgttttt 180
ctgaaacact taattgtgca ggntgtaaaa aagattagtg cattttcatt ttaaggatgc 240
tttgctcctt aaattgttcg acagaaatga ctttttaggg aaagtagntt ttttggagct 300
actaactngt atttattatt gtacatgcat aaccagggtg gtgagggcac taatcttgta 360
ggaaacactt acttgatggt ttatttgaac ttttcctata ngntaacttt tctgnataga 420
attaacacta ggaacagtggt catgaaatct ggggttgaagg agaatacagn atatatgaga 480
accttaaaagn tcaaatagga aatcatttct gaagacaaaa ccagaggaat nttgntcagn 540
gcccacntaa tgggangaan aangggcggc atttacnctg ggcaagnatt tgagaagann 600
ggcntaaaga annnggaact tacnt 625

```

<210> 172

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604

<223> n = A,T,C or G

<400> 172

```

cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
ggccagaatc aagtttttct agtacacttc ccagaaagaa atacgctata acaccaccca 180
gcctgagggc tgcattgctg tgggaagcagg aatggatacc cttaccatgc atctctgcga 240
agaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
acagnccaag aaatgtgtcc aggctgctgag gaacgagnon agtgacagtt tcgttccact 360
cttacgagac tgcaccaact cggatcatca gaaatggttc ttcaaagagc gcatgttatg 420
aagcctcgtg tatcaangag cccatcgaag gagactgtgg agccaggatc tgcccaacaa 480
agacttncta acaagngacc agaaaccac canaaactan ggttgtattn cttttgaaga 540
agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag ggaataaac 600
tttnggactt tttttgaaa acttttttac ct 632

```

<210> 173

<211> 271

<212> DNA

<213> Homo sapiens

<400> 173

```

gaactagcca acttaagaat tacaggaaga aagtggtttg gaagacagcc aaagaaataa 60
aagcagatta aattgtatca ggtacattcc agcctggttg caactccata aaaacatttc 120
agattttaat cccgaattta gctaattgaga ctggattttt gttttttatg ttgtgtgtca 180
cagagctaaa aactcagttc ccaaattccc agtttatgca gcgccatcag gtattttaag 240
ctaaacttct tcaccttga gagcatgtca g 271

```

<210> 174

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 116

<223> n = A,T,C or G

<400> 174

```
atattttcca atttgctggg atgtcaccta gcaatagctt ggattatata gaaagtaaac 60
tgtgggtcaat acttgcatth aattagacga aacggggagt aattatgaca cgaagnactt 120
atgtttatth cttagtgagc tggattatct tgaacctgtg ctattaaatg gaaatttcca 180
tacatcttcc ccatactatt ttttataaaa gagcctattc aatagctcag aggttgaact 240
ctgggttaaac aagataatat gttattaata aaaatagaag aagaaagaat aaagcttagt 300
cctgtgtctt t 311
```

<210> 175

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 77, 120, 154, 169, 202, 218, 267, 274, 276, 282, 290

<223> n = A,T,C or G

<400> 175

```
ttggtgcaga aagtgcagatt gaaatgtagt ttctttgcag gttatattcc cagaggatgt 60
cagtcccaag gaccagnagc tgccatcagt ttggattctg aaaactaact ggcatcaacn 120
ctgggtgtag aaacatgctt gccttatgta tcanaggaca tgctcagcng atccaagaga 180
tatatttggc aactttttct anaaaaggca cattgggnat cattcattac attcttgagt 240
ttttttgggt tttttttttt ttttttnaaa acanctttgt tntttcccn ggggtgggagg 300
gggggggg 307
```

<210> 176

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 183

<223> n = A,T,C or G

<400> 176

```
aaaaacaaaa acagaatggt gtacgtgaag attctaggag gggaggggacc agcaaactctg 60
agagaaccgt cctggggcct cccttcgagg agccctctga tgtgaggagg gacttgagtt 120
gagtgcagct tgtggtgtga ggtgttctga gctcactgac cggaagggtcc aggtgaatct 180
cgncataagt gatctcaggc tctcacagga tccggaggga aatgtgttag aggggtctgga 240
aaattcagtg cttttgagtt acttgttttt attaaaaatt tcctcacaaa agagagtcct 300
caagttgtgg ctgttcttgg gaaaggggtc accgtgtctg acaaagtgtg acttt 355
```

<210> 177

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 28, 103, 109, 137, 143, 167, 189, 192, 200, 213, 256, 270,  
279, 284, 326, 337, 349, 363, 372, 373, 378, 387, 393, 417,  
423, 434, 438, 440, 444, 450, 461

<223> n = A,T,C or G

<400> 177

```
cctgggctgg gaaaaacttt ggaaccanac tcttgccctgt ttcccaggcc cactgtgcct 60
cagagaccag ggctccagcc cctcttggag aagctcagct aanctcacng tcctgagaaa 120
gctcaaaggt ttggaangag canaaaaccc ttgggcctga agtaccngac tacatggacc 180
tgccttgcnt angagtttgn aggaagttgg agntttgttt tcctctgttc aaagctgtct 240
gttcctaccc catggngcta ggaagaggan tggggtggng tcanaccctg gaggccctca 300
accctgttct ccccgagctc ctcttncatg ctgtgcnccc atggctggna cgaacgactt 360
ctncttctgt tnnccgtnc ttaaaanagt agntttttgt tcaatttaat gcttgncca 420
tgngtgaata cganggnan gagnaacctn ctctgagctc ntcttttaa 469
```

<210> 178

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 125, 147, 182, 232, 354, 438, 446, 463, 468, 481, 501, 512

<223> n = A,T,C or G

<400> 178

```
ctggtgcggg gccctgcaga tgggaccatc tcaggctggg tccttgtagc ccaggagcac 60
agactggact aagcctcctg ggccttgtat gaaaaagggtg ttgtacctgg ccgtttttgc 120
cagtnataat caataaaata accatantaa aaatcaaagg ctctgttctg accactcttc 180
angtcttccg ctgaaacgga aaagtgcaaa gcaattgaag tacatatgca gnttgtctta 240
acctcaaata gtgccagtcc cacttctttc ctctgatagt ttgttcaagc tcagcaagat 300
gcagaggggc tggcctgttc tccttttgat ttccctccaca aggacttctc ttengacatc 360
caccctcttc ctgctcgac tgaacggagc ttgatgacct catccttgag ttcccttgctc 420
cccgatgata gccaccancg ggatgnccctg ccttctcaca agnactgnac tggttcagca 480
nctttgggtt ctctttgtca nacctcaacc tnatccat 518
```

<210> 179

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 61, 68, 94, 105, 110, 121, 149, 160, 187, 191, 248, 275,  
317, 336, 339, 355, 360, 373, 385, 394

<223> n = A,T,C or G

<400> 179

```
ccatgctcac ccagccaggc ccgtagtgct tcagtttgaa gatctcatcg gggaagcgct 60
naccgtanat gctctttcct cctgtgccat ctncctgggt gaagnctccn cccctggatt 120
```



```

natgaagccc ttgattacac caatggaant ttgcttgtn tttggagcca aaatcctttc 180
tctcctngta nctaaggcca caaaacttat ccactgtttt ttggaacagt ctttccgaag 240
agaccaanga tcaccggcc tacatcttca tctcnaattc gctatgtcaa aatacacctt 300
gacggcgact ttgggncct tcttcttctc atccgncgna aaagggtccac ctcnngctcn 360
cgaccacgct aanggcgaat ttcanccaca ctgngtgga cgatact 407

```

```

<210> 180
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473, 491
<223> n = A,T,C or G

```

```

<400> 180
aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt ctgttgactt acgcattttt gcccaattta acctttctga 120
tggtccctcg cccccagaca ccataaatgc attgtaattt tgaaaatata tgccaactac 180
acactgaaaa ttttaaccgg atcaattgac ataataataa atctgtccca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ggccagtatt ctttaagtga 360
atgaacatta tttgaacatt caacacatga aagggttaaca aaggctatga acttggtgta 420
acttaaaacg tttcagatgt cggagttcac ccagatgtaa ttgggattca ggngggatcc 480
cgccgacctc ngcccgcgac cacgc 505

```

```

<210> 181
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 275, 292, 306, 356
<223> n = A,T,C or G

```

```

<400> 181
aaaatgtaaa aattaatcga atatctatga aagggcacag gaagctagat attttaagga 60
aggaaggtag gctacttaca aagttaactt gtaaccacac aggaggggta aagattctag 120
agaagagcac tttggttaac tctatacgct ctgtggctct acccattcat aaacgagtct 180
ctatgcataa atgagtcacc aatagttaag attaccaa atatttcaa cctaaaatta 240
aattatccaa gttgtggtcc ctttattcaa atggnaagta tatccatgca cngaagtcca 300
aatatnttaa aaggaattaa aattaaattg catatatcat attccttcaa tagttingagg 360
gctattgctt ttaacaagat tagtattatt ccattttaat acgtcaggag tacataaaca 420
caagtacacc tgaaatacac c 441

```

```

<210> 182
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 203, 285, 332, 380, 382

<223> n = A,T,C or G

<400> 182

```

ggctcacatt gcatgcaagt ttgctgagct gaaggaaaag attgatcgcc gttctggtaa 60
aaagctggaa gatggcccta aattcttgaa gtctgggtgat gctgccattg ttgatatggc 120
tcctggcaag cccatgtgtg ttgagagctt ctcagactat ccacctttgg gtcgctttgc 180
tgtcgtgata tgagacagac agntgcgggtg ggtgtcatca aagcagtgga caagaaggct 240
gctggagctg gcaaggtcac caagtctgcc cagaaagctc ataangctaa atgaatatta 300
tcctaataac ctgccacccc actcttaatc antggtggaa gaacggtctc agaactgttt 360
tgtttcaatt ggacctcggn cncgacc                                     387

```

<210> 183

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 60, 63, 85, 111, 112, 120, 123, 160, 163, 252, 258, 265, 271, 282, 294, 319, 340, 343, 344, 369

<223> n = A,T,C or G

<400> 183

```

aaaacgccta caaacagcct ttttttttta ggcaacaaaa tacgtccagt ccttgacatn 60
ttntcatact cacctagcac cacanatgca aggacctaac agtaaacaatg nncaatctcn 120
tgnttaaccc taaagcatgc actgaattga atttgtttgn tgngatctat cctactaaga 180
atgcaataca tactttttct tactaatatt ttatacatta aattaccctg cagcattttg 240
aaattttaac antgatgnaa aacancctttt naaagattta tnaaacaagt ttcnagggtc 300
accttcaggc tgggtttggn t aagtggaaaa atggcagcan ccnnaagggt cataactgaat 360
gaaaatggng ttgggtgcat gtcaacccat gtaaaaaata cct                                     403

```

<210> 184

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 85, 164, 186, 191, 208, 234, 244, 260, 272, 318

<223> n = A,T,C or G

<400> 184

```

ctggaggatg catttctgac cccatcccag acacgtgaaa gcagaagaca tgatgcatct 60
ataataatga aagcacaatc taaanagtat tatcacaccg tgaacagcct cttcctgacc 120
cacagcaa ataaagagaa agacatttta ttacaaaca aganttaata atgctcacia 180
gaatanagtt ngcccccaaa tggaaaanta cacattat ttgtttcaaaa agcnataaat 240
ttantgcttg aaaaatccan caggtaagca tnaaggacta acagggtctg ttcctggaac 300
tgtccgccag caaatganca tgctcttctc ctgggaagcc a                                     341

```

<210> 185

<211> 381

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 32, 103, 109, 125, 127, 151, 158, 217, 260, 298, 301, 319,  
 321, 334, 364, 375, 378  
 <223> n = A,T,C or G

<400> 185  
 aaaattgaaa ctgatggaac attcttttctt gntcttcacc atctgacaaa ttgaatggca 60  
 agaggcggat ttgcccagtt tcttttcact gatgcagatt tgngttaana tagctctgaa 120  
 tggangnttt ataaactggc cctgagcatc nataaagnat cagtatctga ccttttttta 180  
 accttctagg aatttgaaaat aaatgtgttt gtgttgntctg attagatgat cattgggtgtc 240  
 ttgccacaat gtttaccttn gccgccgaca cgctaagggc gaattccagc acactggngg 300  
 ncgtactatt ggatctacnt nggtccaact tgcntaaaca tggcatatct gttctgtgaa 360  
 cacncccttc cttcnttntt t 381

<210> 186  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 76, 105, 117, 126  
 <223> n = A,T,C or G

<400> 186  
 ccactttatt ccatataaca ctttaaccaga tatcatttac atctgaggaa gagatggccc 60  
 atgagactga tctatngcaa aacactctaa gaaatgcagt ccaantttat acacttncag 120  
 gcattnccta gacaaa 136

<210> 187  
 <211> 553  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 168, 291, 296, 321, 369, 398, 415, 422, 447, 468, 487, 491,  
 492, 499, 502, 507, 516, 528  
 <223> n = A,T,C or G

<400> 187  
 aaaaagagca cattccattc tgggtgcacac aaatgtacat taaaaataaa ataaaaaagt 60  
 gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctgcctggca aatgattcac 120  
 aacccaaaaca tttctgggat atgtgactta aggaataaaa aaactcangt gttttataaa 180  
 agggaatggc aggatgagga aatgatttat caagatacaa ttttactaat aattacttct 240  
 caaataactt aaaaatgttt tataacaaaa aatcaaaatg aaacaaaact nggtangttg 300  
 aatataagta ttttcaactg ntacaatact tgaggagatt tttcggccta atttctcaga 360  
 aactcgccna agaataagct attctttaca cagaatanct taaaaatttc catgnggaag 420  
 cnattatttt aggaattcca aaacttnttt ttttcaaaat gacatacnta atttccttga 480  
 aaatttnttg nnaaaggngt cntaaanaat taaacnaaac cctgtccngc gctttttttt 540  
 ttctttttat aac 553

<210> 188  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 62, 72, 104, 119, 167, 175, 185, 201, 205, 224, 265, 282,  
 295  
 <223> n = A,T,C or G

<400> 188  
 ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60  
 gnggtgggaa cnacaaacaa ggtttcccca tgaagcaggg tgtnttgacc catggccgng 120  
 tccgcctgct actgagtaag ggggcattcc tgttacagac caatganaac tgganaaaga 180  
 aaganaaaat cagttcgtgg ntgcnttgtg gatgcaaadc tgancgttct caacttggtt 240  
 attgtaaaaa aaggagagaa ggaatnttct gtactgactg anactacagt gcctnttct 299

<210> 189  
 <211> 598  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 100, 109, 121, 126, 131, 143, 155, 156, 164, 169, 170, 181,  
 203, 219, 232, 239, 240, 258, 272, 274, 284, 336, 404, 425,  
 427, 432, 443, 453, 467, 476, 477, 496, 508, 515, 528, 532,  
 539, 542, 544, 573, 576, 590  
 <223> n = A,T,C or G

<400> 189  
 aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60  
 cattccacca ttttaatttt tgtaactgct tatttatgtn aaaagggtna tttttactta 120  
 ncttancat nccagccaat ccnattgcct tctgnnaaag aaancaccnn aaatccctca 180  
 ngtccttgg tcaggagcct ctnaagattt ttttgtcana ggctccaaat anaaaatann 240  
 aaaagggttt cttcattnat ggctagagct ananttaact tcantttcta ggccctcaa 300  
 gaccaatcat caactaccat tctattocat gctttncacc tgcgcatttt cttgtttgcc 360  
 cccattcact tttgtcaaga aaaccttggc ctcttgctaa agnggtattt gcccttttga 420  
 caaanccggg ancaccctac canggacact atnaactcatt ctggtgngca atggtnncaa 480  
 actataaaga ctgccntggg gcctaatacc ccttngggaa aatgtggnc tnttgactna 540  
 gnangattat aacctacgga cctggcctgg ccngcncgtt tcaaaggggn aaattccc 598

<210> 190  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 162, 178, 182, 243  
 <223> n = A,T,C or G

<400> 190

```

aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacctctca attcactcat 60
atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agttttatatt 120
atttattttcc ttttttgaca tggagtctcg ctctgcgccc anctggagtg caatggcntg 180
gnctcggttc actgcaacct tcgcctcccg ggtttaagca attctcctgc ctcagcctcc 240
cangtagctg ggattacagg tgcattgctac ttgcgcccgg ctaatttatg tattttatta 300
gagatggggg ttcaccatat tgg                                     323

```

```

<210> 191
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 103, 140, 228, 237, 266, 345, 448, 472, 491, 498, 509, 517,
527, 530, 561, 577, 587, 605, 612
<223> n = A,T,C or G

```

```

<400> 191
aaaatgtttt atttcatagc tcataaaaaa gcatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacaa atcagttttt cagattttac tgnngaagca tatttaaatgc 120
acacatttga atgttacacn taaataattt taacgatgga gtccaagctc tggattttac 180
attagatctg catatataag acacttgttg tcaaatttca agattggnaa agccagnntc 240
aagctgctta tattttgagt acaggnttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cacgcacaca cattingtaat ttgtgccatt 360
tgctattttc ctttcttcta taatcttcaa agtatatagt tatgcattga gttcctatgc 420
atcttcaccc tctcctttat ctgaaacngg aaaaagcaca gaaaaaaatc tnaataattt 480
ttcaatcttt ngtcattcntg aaaatagcnt taaatanaaa tgaaatnaan gaacacaaga 540
aaatttttcc cccattataa nacttatttc ctgcccngcg gccctcnaaa ggcgaaatcc 600
acacnattgc gnccgttact t                                     621

```

```

<210> 192
<211> 628
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,
617, 623
<223> n = A,T,C or G

```

```

<400> 192
aaagtacatt atgagaacaa cagccctttc ctgaccatca ccagcatgac ccgagtcatt 60
gaagtctctc actggggtaa tattgctgtg gaagaaaatg tggacttaaa gcacacagga 120
gctgtgctta aggggccttt ctacagctat gattaccaga gacagccaga tagtgggaata 180
tcctccatcc gttcttttaa gaccatcctt cctgctgctg cccaggatgt ttattaccgg 240
gatgagattg gcaatgtttc taccagccac ctcttattt tggatgactc tgtagagatg 300
gaaatccggc ctgcttccc tctctttggc ggggtggaaga cccattacat cgntggctac 360
aacctcccaa gctatgagta cctctataat ttgggtgacc acgtatgcac tgaaagatga 420
ggnttgtgga ccatgtgttt gatgaacaag ngatagantc tcntgactgt gaagatcatc 480
ctgcttgaag gagcccagaa cattgaaatt ganaatccct atnaaaacaa tcgtgcccc 540
gaaganctgg nctacaccta tctggacact tttggccgcc tgngaattgg ngctacaaga 600
aaantttgga gaacacncat tangacat                                     628

```

<210> 193  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 78, 110, 113, 130, 186, 217, 221, 299, 348, 375  
 <223> n = A,T,C or G

<400> 193  
 aaacaaaaca aaaaaaagtt tacaaaagaa aaaaagatac agaaaaagaa taacttgctt 60  
 catatgtccc aaaaaganaa aaaaataaag gggacaatgc caacatgctn aanaataaag 120  
 gcttcttttt cttatTTTTT taatacaaaa tacaagcaaa ggatacacat acttaaaaca 180  
 gagctnagga gcagacacgc agtcctggaa acccttnaat naaagcaaag caggagggtg 240  
 ttttttcttt gtctatgcag atacatacag agactgggat atgtaaaaat taagtatcnc 300  
 aaaagaccat cacacgattc taccaatgca tgttgcatct tgtaattnac gaacatgggc 360  
 aacaaaatca tgttnacttc aaccccattt cattt 395

<210> 194  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 166, 171, 195, 250  
 <223> n = A,T,C or G

<400> 194  
 aaataataca gaacaattaa agctaaccac gcgcaacaga taaataagcc tgccagttat 60  
 acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120  
 acttcaacat actatgcggt caaactaccg aataaacttg atgcanacca nctattctca 180  
 agttgcaata gtatncaatg actttgctga aatgcataaa atggacaagc ctatgtatct 240  
 gcgcaaccan caggtttttt tttatttta 269

<210> 195  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 45, 58, 60, 143, 148, 172, 173  
 <223> n = A,T,C or G

<400> 195  
 aaacataaaa gtgtttgttt ctgttatggt accataatTT gatgnatata gtgtccanan 60  
 ccatttagaa atttaatat tattaataac tgaaactggt tgtcttcctt tggatatatag 120  
 tctcgcatat tatattatat cangccanga taaaattttg acagctcttt annccacat 179

<210> 196  
 <211> 187

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 104, 112, 119, 125, 128, 130, 145, 155, 160, 164, 172, 177,  
179  
<223> n = A,T,C or G

<400> 196  
cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc tttgttcact 60  
ggtacgtggg tgaggggatg gaggaaggcg atttttcatt aggncccgtg angacatgnc 120  
tgccnttnan aaagattatg atgangttgg acatnatatn cctnactgat anagatnang 180  
gttaata 187

<210> 197  
<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 24, 36, 37, 51, 74  
<223> n = A,T,C or G

<400> 197  
aacatcctgg tgtttgacct gggngggcgga accttnnatg cgtctcttct naccattgac 60  
aatggatgta ttcnaa 76

<210> 198  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 198  
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60  
caattatgcc aaaagacatc cagctagcac gcgcatacg tggagaacgt gcttaagaat 120  
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aaaaaaaatt 170

<210> 199  
<211> 626  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 366, 418, 496, 502, 531, 547, 548, 551, 557, 579, 596, 604,  
607, 609, 617, 621  
<223> n = A,T,C or G

<400> 199  
aagacatccc agcacagcat atcacgctgt ttcttaagta tttgtatttc ctgtacctga 60  
agtgtagcga aaatgctact atgactcttc ctggaatata cccacctacc ttgaaccaga 120  
ttatggattg gatatgtcta cttctggatg caaattttac tgttggttga atgatgccag 180

```

aagcaaagag gctactgata aatctttaca agcttgtaaa atctcagata tctgtttatt 240
ctgagctcaa caagattgaa gtaagttttc gggagctaca gaaattaaat caagaaaaga 300
ataatagagg attatattca attgaagtgc tggagctctt ctgatattat caattctcct 360
tcatanacat tttataaagc tcttttatgt gaactcttgc ttcattccagg caagaacngg 420
gtttgtttgc gaccatctca gggtaagag aaacgtgaca gtgagtacct ggacccttca 480
cttaactgat gctccnggg angactgcag gttcacatga ccctgttcta ngctgtggac 540
cattggnntg nagaggngctg caatttttta ccttgccng gcgccgctca aaaggngcga 600
ttcnacnanc tgtcggntgt ntagcg 626

```

```

<210> 200
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15, 182, 284
<223> n = A,T,C or G

```

```

<400> 200
cttagggagc tgcanttgag gaattgtctg cgtatcctta tgggggagct ctctaatacac 60
catgaccatc atgatgaatt ttgccttatg ccttgactcc tgccatttat catgagatta 120
atactgtgat tcccgctgtt ttcttttctt tgcattttcc taatatgctt ttactgatcc 180
gnttgctgtg aaccctatgc tattccatgt gtcaagtggg ccttgtgtct gccagcttct 240
atgtgaagat tgcctttgca ctcaagttaa gtttctgtca gcantagttt caccatttg 300
catggaaaaa ttt 313

```

```

<210> 201
<211> 81
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 47, 50, 61, 71, 76, 79
<223> n = A,T,C or G

```

```

<400> 201
ccacagtga gagggagtag gggactcacc cctcctgcct tcctgtncn aagggggctg 60
ntcaacctat nacgngant a 81

```

```

<210> 202
<211> 115
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 29, 31, 43, 48, 67, 72, 79, 82, 89, 95, 96, 114
<223> n = A,T,C or G

```

```

<400> 202
gctgatcctg tttatttggc aggaaaacna nacaatccag cancccanga gggacaggtg 60
gacttantcc tntcctctnt cnactccanc cccannccca ccctggctct tctng 115

```



<210> 203  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 6, 18, 42, 72, 83, 97, 102, 117, 119, 128, 143, 144, 152,  
 159, 166, 174, 186, 189, 194, 198, 214, 228, 232, 246, 249,  
 254, 274, 285, 291, 293, 308  
 <223> n = A,T,C or G

<400> 203  
 cgaggngctgt attttggntt tctccctgtc ccttcctttt tncctattc tttggcagct 60  
 tgtatcaaat gntacagttt atnttgtgga ataaatnctt cncctaacat aacactnant 120  
 gctcattnat ttaaaagctt tttnagcaca antttcttnt gccccnttta ctgntgcaca 180  
 ctcatnaang gggntgcntt gcttttgcct ctgncccaac cacggttnca tntatcactt 240  
 ggatgntanc ctgnaaaca cattataggg attnacactg ccttntgcgg ncnatcataa 300  
 ttggcgantt tctacaca 318

<210> 204  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 27, 35, 40, 90, 104, 144, 156, 164, 165, 173, 204, 207, 236,  
 243, 256, 260  
 <223> n = A,T,C or G

<400> 204  
 gcctcataca tgccctgagg ccagcangcg cccanctcan gcaacacacg ccttcactta 60  
 aaaaggccga ggagcggcgg gatccacctn aatccaatta cacntggtga actcccacat 120  
 cttaaaccgg ttaagtcaca ccanagctca tagccttgt taanntttca tngnttgaat 180  
 gttcaaataa tgttcattac actnaanaat actggcctga aaaattattt atcttnatta 240  
 ttnaaaacac tggagncttn ataaaatact tcat 274

<210> 205  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 38, 53  
 <223> n = A,T,C or G

<400> 205  
 ctgtcatcac gtcttccacc acaggaatgg agccatanga gcaagcctca tanattcgat 60  
 agcattctgt gtttactcgg accgggcaca atgtgatatc actctgaaaa 110

<210> 206

<211> 153  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 53, 87, 99, 129, 133, 148  
 <223> n = A,T,C or G

<400> 206  
 aaaaacaaaa acagaatggt gtacgtgaag attctaggag gggagggacc agnaaatctg 60  
 agagaaccgt cctggggcct cccttcnagg agccctctna tgtgaggagg gacttgagat 120  
 gattgacgnt gcngagagag gttttctnaa act 153

<210> 207  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 56, 71, 75, 112, 120, 122, 130, 135, 144  
 <223> n = A,T,C or G

<400> 207  
 aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatancttc 60  
 aaaactgcag nggcnagtgt ccactcttta gaatagctac cttaactgtc ccccccttan 120  
 tntctgtgcn atccnctctc tgcnttgttt 150

<210> 208  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137,  
 162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218  
 <223> n = A,T,C or G

<400> 208  
 ccaggggtgc taagcagntg gtggtgcagg aggcattgct gatgatcttg aggctgttgt 60  
 catacttctn atggntcaca cccatgacga acatgggggn attancanan ggggcaaana 120  
 ttatnacncc ttttncnttc cccctgcac aatgaatacc cnngtctctt nncatgcccn 180  
 ggtgnagaga nccccccctg tgncttatac ntacnttntc ttcttccc 228

<210> 209  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 48, 89, 113, 140, 145, 196, 223, 256, 277, 278, 279, 291,

342, 375, 400, 401, 414, 416, 423, 428, 444, 445, 467, 472,  
473, 477, 492, 495

<223> n = A,T,C or G

<400> 209

```

aaaaaaacag aaacaaatca acagctctct acatcatgca tgggtagnnt tcttacccca 60
tctttttttt tcctcaataa ttaacgcana gaaaccattg tttgaaaaga atntgaaaac 120
ttgctacaga aacacccggn gaaanagggt gtggggcata ttcattgccct agaatgcgcc 180
taccacagtg tagctnttca taaatgcaac attgtagaca tanatgaatc caaagtattc 240
agcagttttc ctccgntcag aagactaaag ctccagnnng acaatgctca ntgaggcttc 300
acagccactg gagggcacca ttaccatttc atcttgacat cncatttcca taaaaagga 360
ccttgcccgg gcggnccgct ctaaaggggc gaagtccan ncccacttgg cggncngttt 420
acntagtngg aattccgacc ttcnngtacc caaagctttt ggtcttnaat tnnattnngg 480
ccattagctt gnttntctct ctgtc                                     505

```

<210> 210

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 299

<223> n = A,T,C or G

<400> 210

```

aaaaccatga aagaagttga aggcagcatt cctcagctct gtgacttggtg accctatttg 60
aagtttcagg atttgggtgt cacaaaggat tgtccctaata ccttggccct ggggtcttcc 120
gagtgaactg gtttaatact ctgagaatga gcaggagat ccagagaatg aatccctgac 180
cgcatcacct aaactgtctt ccaaaccatga gacaaagctg actgttcaca ctgattgccc 240
agcacatacc gtcttgccag tttcttcttt tctcccagtc tctgttcat ccattctgnt 300
ctcccttggg gtgggaatct atgatggagg ttactgggga aacagctcac agatttttgg 360
agaccaaacc aaaggtctca ctaggaaatt tatctgtttt                                     400

```

<210> 211

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5, 13, 14, 20, 35, 36, 50, 229, 274, 427, 434, 501, 522,  
564, 565, 583, 594

<223> n = A,T,C or G

<400> 211

```

caaancaaaa ttngcccan cgtctttctt tctgnnttat gacagaccan cctccagcct 60
tgggtgtggt tctacatgta gccctgcgta ccctgcttct ttttagcatt caagaccac 120
tcagggcctc aaattagcca atggtgaata tggatatagg acttttagag ggatgcagg 180
tgagttgtac ataacttaga ggtgaagtgc aggtccgaaa cagggtctana ctttggagaa 240
ctgtaaaatg gctcactgag catgacagca tcangacccc tggagtggct ttcaaactta 300
ccttcttctg caggctactt ctggaaatcc ctaggactta ccagctttct gaacactgag 360
catcatggga ggggtgaagag gaaaaggggc tagttaaata cttgttctta ctgtgggccc 420
aactcangag gagncctaaa gctaagccct tgggcttgac agctctactt ttcacctcta 480

```

```
actaccactg tgcccaatga ntgcccagagt gccaaagatca anacctcggc cgcgacccccg 540
ctaagggcga attccgcaca cttngggccg ttactaatgg atncgaactt cggncccaac 600
ttggcg 606
```

```
<210> 212
<211> 584
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 339, 418, 430, 437, 444, 446, 453, 480, 508, 514, 529, 530,
540, 573, 581
<223> n = A,T,C or G
```

```
<400> 212
aaacaagggt tccccatgaa gcagggtgtc ttgacccatg gccgtgtccg cctgctactg 60
agtaaggggc attcctgtta cagaccaagg agaactggag aaagaaagag aaaatcagtt 120
cgtgggttgc ttgtggatgc aaatctgagc cgttctcaac ttggttattg taaaaaaagg 180
agagaaggat attcctggac tgactgatac tacagtgcct cgccgcctgg gccccaaaag 240
agctagcaga atccgcaaac ttttcaatct ctctaaagaa gatgatgtcc gccagtatgt 300
tgtaagaaag cccttaaata aagaaggtaa gaaacctang accaaagcac ccaagattca 360
gcgtcttgat actccacgtg ttctgcagca caaacggcgg cgtattgctc tgaagaanca 420
gcgtaccaan aaaaatnaaa gaanangctg canaatatgc taaacttttg ggacctcggn 480
cgcgaccacc ctaagggcga attccacnca cttngcgggc cgtttctann gggatccgan 540
ctcggtaccc aaactttggc ggtaatcatt ggncataacc ntgg 584
```

```
<210> 213
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 44, 134, 166, 244, 293, 334, 335, 344, 357, 359, 376, 393,
402, 405
<223> n = A,T,C or G
```

```
<400> 213
ctggatgaag ttgtgtcaga gaaccagagg cttaaagtcc ctantccaaa gcgaagagtt 60
gtctgtgtga tgatagtatt ggcatttata atactgaact atggacctat gagcatgttg 120
gaacaggatt ccangagaat gaaccctatt gtgagccctg caaatnaaag gaggcacctt 180
ctaggatttt ctgctaaaga ggcacaggac acatcagatg gtttatccag aaaaacagct 240
acanatatga tcattctgtt tcaaatgaca aacctgatg gtgctaactg aanaaccatt 300
gctttacatt cctccacctc cttgtcagcc cctnnttaac acancagagt ctctcangnt 360
aaaatcatga acttcnaggg atgggttcat atnaccttaa antancaaag gacctatgt 419
```

```
<210> 214
<211> 318
<212> DNA
<213> Homo sapiens
```

```
<400> 214
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
```

```

ttagatctta ttcacagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatataccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagag                                     318

```

```

<210> 215
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

```

```

<400> 215
cccgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgccccaatg agactctagg gtccagtgga tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgcccc 360
catgaggaag gaacagcaat ggtgtcagta tccaggctnt gtacagagtg cttttctgtt 420
tagtttttac tttttttgtt ttgttttttt                                     450

```

```

<210> 216
<211> 747
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 432, 550, 560, 569, 577, 580, 584, 605, 614, 615, 625,
640, 647, 669, 673, 687, 693, 701, 704, 711, 726, 727, 736,
738, 746
<223> n = A,T,C or G

```

```

<400> 216
gcgcgggagc tgggttgctc ctgctcccgt ctccaagtcc tggtagctcc ttcaagctgg 60
gagagggctc tagtccctgg ttctgaacac tctggggttc tcgggtgcag gccgccatga 120
gcaaacggaa ggcgcgcgag gagactctca acgggggaat caccgacatg ctacagaaac 180
tcgcaaactt tgagaagaac gtgagccaag ctatccacaa gtacaatgct tacagaaaag 240
cagcatctgt tatagcaaaa taccacacaa aaataaagag tggagctgaa gctaagaaat 300
tgcctggagt aggaacaaaa attgctgaaa agattgatga gtttttagca actggaaaat 360
tacgtaaaact ggaaaagatt cggcaggatg ataccaagtt catccatcaa tttcctgact 420
cnagttagtg gnattggtcc atctgctgca aggaagtttt gtagatgaag gaattaaaac 480
cttagaagat ctcaaaaaaa atgaagataa atttgaacca tcatcagcga attgggcttg 540
aatatttttn ggggactttt gaaaaaaaana attccnctn aaanaagatg tttccaaatg 600
ccaanaatat tttnncttaa attgnaagtt aaaaaaaaaan gggaatnctg gaataccatt 660
tggttccant ctntggggca atttttnaaa aanaaggtcc naantccaat nggcgacaat 720
tgggannttt ttccnancnc atcccncc                                     747

```

```

<210> 217

```

<211> 693  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 442, 507, 536, 540, 569, 613, 628, 637, 643, 661, 676, 689  
 <223> n = A,T,C or G

<400> 217  
 aaatatcaca agtaggtcct aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60  
 ttagatctta ttcacagacc tgctgaacag ttcttttttc agagacatag ataccatcca 120  
 aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180  
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240  
 ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300  
 ttcggtattc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360  
 acacagacct catcttgtaa cgggaagcca gtgtaacacc cttgatcatg ttctgtacat 420  
 gactacaaat agtccgaacg gnagccagtt cctttctggt accccccatt tgtcaaccgg 480  
 gaacctcttt ttttctttt ccagaangct gagttctcat tgatgtgatt gaaagncctn 540  
 ccagggggtc ctctggggcc cttacgaana ctggcgctcc ttcagaataa tgctgacatt 600  
 ttctggaatg tcnacagctg atgctganaa tagcttnacc tgncccggcg gccctcaagg 660  
 ngaattccac acactngcgc gggttcctang atc 693

<210> 218  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<400> 218  
 cctgttctgg gagatgggtca tattcacctg ccaaaatctg ctggaatcct ttgatgggtct 60  
 ccttcagggg taccagcttc cccatatgac ctgtgaagac ctcagcaacc tggaaatggct 120  
 gagacaagaa acgctgtatt ttccgtgcac gggacacggt caacttgtct tcctcagaaa 180  
 gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240  
 tttgcacccc acgggcaaca tcgtaatgct cactgccaac aatgttggga tccatgatac 300  
 gagaggtgga gtctagagga tccacag 327

<210> 219  
 <211> 778  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 387, 529, 550, 563, 566, 597, 637, 638, 646, 652, 656, 665,  
 673, 675, 687, 691, 697, 729, 741, 745, 747, 764, 767  
 <223> n = A,T,C or G

<400> 219  
 aaagtgagca gattcatatt tacagtgtga tttttaagga ctgtctatat ccaaatttta 60  
 ttttcgtgaa cgcttacatt ctaagagcag tacaattagc ctattacgta gggccctaat 120  
 cttgttagta tagtggtgtt gaaatacttt cttcagcttt tgccttaaca aatccaaaga 180  
 tggaagatga tgacaatctg gaatattcaa cataacatga aaaaattcat tccacatatc 240  
 caaatgagga agccttctaa aaagaccttc aggccttacac tctcctcctt catttttcac 300  
 tttcatgtaa gtgccaaaga gcatgcaata tactgttgca gcaaccccaa agtaatcgat 360

```

ctggtagttc catggtttgt tgctgancat ctcaacacac tgaaaaccag atgtttcaca 420
ctttgctgtg aatatagttc cttttggaaa aagtttcata tctatactct tgaccaggt 480
caatcagtgc caagcccagc agaataaatc atctttcatc atcctgttnc caaaaaatcc 540
gttttccaan tattgaaaat tgnctngggg ttaaagggtc cccttgaatg gaatttncac 600
aagtcattgc cccttggctt caaatccatt gtaaaannca atttcntcat tngccnaaaa 660
ggaanatgga acnangaacc ctttganggc nttcacnttt ttttcaaggg gggtaatttt 720
ttttattana agggttaaat ngggnanttt taaaataaaa tggnttnccc attaaacc 778

```

```

<210> 220
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 220
gaggaaagga agatgcactg gtcaccaaga acctgggtccc tggggaatca gtttatggag 60
agaagagagt ctcgatttgc gaaggagatg acaaaattga gtaccgagcc tggaacccct 120
tccgctccaa gctagcagca gcaatcctgg gtggtgtgga ccagatccac atcaaaccgg 180
gggctaaggt tctctacctc ggggctgcct cgggcaccac ggtctcccat gtctctgaca 240
tcgttgggtc ggatgggtcta gtctatgcag tcgagttctc ccaccgctct ggccgtgacc 300
tcattaactt gg                                     312

```

```

<210> 221
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<400> 221
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgccaac 60
tgtcaacctt gacaaattgt ggactttggg cagtgaacag acacgggtga atgctgctaa 120
aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggcctgtgtc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg ctaactactt tt                                     332

```

```

<210> 222
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G

```

```

<400> 222
ctgattcaga tcagagggaa agaaatacca accctgcaat aagtgtacta aactctacgc 60
tctggttaat gtaatgtact ctctgggact gaatgcagtg tataatttct gtctacagct 120
agaagctgtg cccagttcc acatttgatt acacatgtga gatttgcgtc tgttgagta 180
taaacactag gtataatagg atttgaaatt gcattacagt tcataaaaaat tgaaaatgag 240
aaattaaacc tgcaagtga acatttgaaa cgattatact ttctacataa gacatgggtg 300
ggacatcaga tacttacaaa gatggtttta gtatggatac tagagaaaat taagttttct 360
ttctctttgg ttatttgatt tggnttaatt tccattatgc tattttgcat aatcaaggca 420
ctgtaaatct tataatttt                                     439

```

<210> 223  
 <211> 721  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 410, 546, 549, 566, 571, 576, 594, 607, 658, 664, 682, 710  
 <223> n = A,T,C or G

<400> 223  
 aaaaaatcat acggacaaac aacttttcaaa caaaactgga ttagtaggat ttcttgccctg 60  
 cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120  
 ccaagctaga gataagaatt cttccctgat gcagttaggg gaaagggaaa ggctagaaac 180  
 ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240  
 gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300  
 aaaagtgcag aagtcattcta gtcgtctgcc tcttcccact gccagtgcct gcagccttgc 360  
 agcaactttt aaccacccct atggactgga atattgagtt aaaagccaan gctgagctgg 420  
 ctgacgctgt agtctccatt gaaaaggaaa tggatgggat ggaaccgaga aaccccagta 480  
 catgatgaca ctcaaaagac ttagggggaa agagaaggaa ggatttcaga aatgggggac 540  
 agactngng gaaaatggtt gggctnaact nggaangaaa tgggggatac ctgnagttaa 600  
 tattgtncat ttcgaaacca atcaagttgc ctcttggaaat ggcaaaaaat caaatggngg 660  
 aaangggaac cttccttgat antttagggg ccaacaggga ttgggaaaaan acttccttga 720  
 a 721

<210> 224  
 <211> 665  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 510, 522, 526, 551, 554, 559, 572, 585, 604, 612, 619, 623, 636, 645  
 <223> n = A,T,C or G

<400> 224  
 ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gttggcatgg aagacactgc 60  
 aataaaaagg acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120  
 cagcacacgc cttcacttaa aaaggccgag gagcggcggg atccacctga atccaattac 180  
 atctgggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240  
 acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300  
 tttattagct tcattataaa tcaactgagct gatatttact cttcctttta agttttctaa 360  
 gtacgtctgt agcatgatgg tatagatttt cttgtttcag tgctttggga cagattttat 420  
 attatgtcaa ttgatcaggt taaaattttc agtgtgtagt tggcagatat tttcaaaatt 480  
 acaatgcatt tatggtgtct tggggggcan ggggaacatc anaaanggta aattgggcaa 540  
 aaatgcgtaa ntcnccaana aatttgatg gngccagtta atggntgaag ttacagcatt 600  
 tcanaaattt anttgtcana aantttaaaa aggttnggtt accanttttt acccttgccc 660  
 cgggc 665

<210> 225  
 <211> 720  
 <212> DNA  
 <213> Homo sapiens



<220>

<221> misc\_feature

<222> 488, 495, 547, 554, 584, 652, 655, 680, 682, 692, 697, 698, 704, 707, 715

<223> n = A,T,C or G

<400> 225

```
gtccttttctc tgaaaggatt tatgtttttc ttcgttagat agtgacttct gagcaagctg 60
atctcccctg gcatgctcca acctgattgg acaaaggaag ctctatggcc tgggagagag 120
actattctta atttttcttt cttacaaaaa ctgatttttc ccataaatat ttttacttca 180
gaggactagg accattttgt tttgggccct tctgctgaaa atttgtctcg ttttaaggaggc 240
agctagaatc tttaccatat gtatgaattt gtataatttc atttttggat agggataaac 300
ttttgcttct gataaaagcc tgggaatttc tctggtcctc agagcattgc gtgtgtgtct 360
tgctgtagcc cggaaaagggt tttgtgtaaa gattctggga tggcaagttg tttgcctttt 420
ctgaaaagag aacatacaga acctgtcatc ttttaagacct tcatcccatg gaatctacta 480
tacagganga tgcantgggg ctggaggggg atgggcgaaa atggggaaca ggaagcctgg 540
cctgggnttc tggncatggg cctcctaaaa ccttaaactt caangtagaa aatgccctca 600
accccctatt tataaaccaa aacttttcct ggccctcccc caaacccctc anaanaacat 660
taccctgggg aattgccccn cncctggggt tnggaannca attnggncaa acccngcccc 720
```

<210> 226

<211> 308

<212> DNA

<213> Homo sapiens

<400> 226

```
ccttgacctt ttcagcaagt gggaagggtgt aatccgtctc cacagacaag gccaggactc 60
gtttgtaccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
gacagacact ggcaacattg cggacaccct ccaggaagcg agaatgcaga gtttcctctg 180
tgatatcaag cacttcaggg ttgtagatgc tgccattgtc gaacacctgc tggatgacca 240
gcccaaagga gaagggggag atgttgagca tgttcagcag cgtggcttcg ctggctccca 300
ctttgtct 308
```

<210> 227

<211> 277

<212> DNA

<213> Homo sapiens

<400> 227

```
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
ggtattaggg ataatatcca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcac 277
```

<210> 228

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 441, 540, 546, 571, 575, 605, 608, 612, 619, 621, 629

<223> n = A,T,C or G

<400> 228

```

aaatgggtaa agccattttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
cattttatttg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaaatg ttctgcctac cctgttggta taaagatatt ttgagcagac 240
tgtaaacaag aaaaaaaaaa tcatgcattc ttagcaaaat tgcctagtat gttaatttgc 300
tcaaaataca atgtttgatt ttatgcactt tgctgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttatttttagg aatatatagt tgtcacagta 420
aatatcttgg tttttctatg nacattggac aaatttttca ttccttttgc tcttttgggg 480
gtgggatcta aactaactg tattggtttg gttacatcaa ataaacattt ttccctcggn 540
cgcgancacc cttaagggcg aatttccagc ncccntggcg gccgttacta gggggaatcc 600
ccaanctncg gnccccaanc nttgggcgna atcatgggcc atagctgg 648

```

<210> 229

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 227, 341, 436, 453, 491, 509, 525, 533, 538, 546, 562, 567, 572, 584, 585, 592, 612, 621, 637, 642, 661, 665, 685

<223> n = A,T,C or G

<400> 229

```

aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccttg cccccagaca ccataaatgc attgtaattt tgaaaatata tgccaactac 180
aactgaaaaa ttttaacctg atcaattgac ataataaaa atctgtacca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ngccagtatt cttaaagtga 360
atgaacatta tttgaacatt caacacatga aagggttaacc aaaggctatg aacttggtgt 420
aacttaaaac gttcanatgc gggagtcacc canatgtaat tgggatccag ggggatcccc 480
cccgctcctc nggcttttta aattgaagnc gtgtgctgcc tggancttgg gcnctgntg 540
ggctcngggc atgtatgaag gnttggnttc tnccctttta ttgnnggggg cntccatgcc 600
aacccttttt tnacatttgg nattttgggtt ggggtcnatt gnggggggttc cttgtgcccc 660
nccgnccagg ctccgcgggc cggcntggaa tcc 693

```

<210> 230

<211> 377

<212> DNA

<213> Homo sapiens

<400> 230

```

ctgttttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatttaa caagttatca cagatagcta aaaacataga tgcaaataaa attccccag 120
agaacaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtggttga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaaa 300
ccacttgaga acaggttaat gaaattattg gtactatact taaaacatta agtaaaagaa 360
gtgaatgaaa ctcatatt

```



```

tacagcagtt caagccgcgg agcaccaaga ggtggtggcc gtggaggaag ccgatctgat 180
agagggggag gnagaagcng atactaaaaa caancaannc tttggacca aatcccagg 240
tcncagaanc aaaaaannga ctggagaacn attctatcat aactcccaa ggactactca 300
aaggaaaaaa tt 312

```

```

<210> 235
<211> 569
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 404, 407, 416, 451, 472, 481, 489, 492, 494, 502, 509, 535,
538, 540, 551, 560, 564
<223> n = A,T,C or G

```

```

<400> 235
ccttggtcct agcaccact cgagaattgg ctcagcagat acagaagggtg gtcattggcac 60
taggagacta catgggcgcc tcctgtcacg cctgtatcgg gggcaccaac gtgcgtgctg 120
aggtgcagaa actgcagatg gaagctcccc acatcatcgt gggtagccct ggccgtgtgt 180
ttgatatgct taaccggaga tacctgtccc ccaaatacat caagatgttt gtactggatg 240
aagctgacga aatgttaagc cgtggattca aggaccagat ctatgacata ttccaaaagc 300
tcaacagcaa caccaggtta gttttgcttg tcagccacaa tgccttcttg atgtgcttga 360
ggtgaccaag aagttcatga gggaccccat tcgggattct tgtnaanaag gaaganttga 420
cccttgaggg gtatccgcc agttctacat naacctggaa ccaagaagag tnggaagctg 480
nacacactna tngngacttg gnatgaaanc cctggaccat tgaccccgag aaggnaantn 540
ttgcattcaa naaccccggn aagnaaggt 569

```

```

<210> 236
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 268, 272, 276
<223> n = A,T,C or G

```

```

<400> 236
ctgaatggtg ctgacggtgg agctcacaga gtcctgcat tctcaagggtt tggatacatt 60
ctgggaaggg tgaactggtg taagagtcac ataatacgtg gaggggtgta ataatacaaa 120
aaacatagca aaacaccttc tgtgcctgag ccagggttga gggagccgag aagaaagtcc 180
acagctctgc cacacgggcc agcagtgtc atgtctgctg gctgacctc cccaaagcct 240
ctcctgccac cttttttttt ttttttttaa cnaaanaaaa gggaaaa 287

```

```

<210> 237
<211> 631
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 484, 493, 530, 542, 552, 557, 566, 575, 583, 593, 594, 602,
614, 616

```

<223> n = A,T,C or G

<400> 237

```
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccgga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaac tatgtggcaa gtaccctctt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaagtctta aacaaaagac aacatatttt atatcaaaaca agtttgaaga gccctgaatt 480
gcancattct gtncataaac aaacaaaaag cttgggtgta ggatttattn gtcaaaaaggc 540
angaatttct tnaggcnggc taaggnaagg gagngggggg ggntcgtttt ttnggcatt 600
tnttcacggg ccnngnccga taggggtggg c 631
```

<210> 238

<211> 426

<212> DNA

<213> Homo sapiens

<400> 238

```
ctcacgttga tgtcaagact accgatgggt acttgcttcg tctgttctgt gttgggttta 60
ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa cagggtccgcc 120
aaatccggaa gaagatgatg gaaatcatga cccgagaggt gcagacaaat gacttgaaag 180
aagtggtaaa taaattgatt ccagacagca ttggaaaaga catagaaaag gcttgccaat 240
ctatttatcc tctccatgat gtcttcgtta gaaaagtaaa aatgctgaag aagcccaagt 300
ttgaattggg aaagctcatg gagcttcatg gtgaaggcag tagttctgga aaagccactg 360
gggacgagac aggtgctaaa gttgaacgag ctgatggata tgaaccacca gtccaagaat 420
ctgttt 426
```

<210> 239

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 439

<223> n = A,T,C or G

<400> 239

```
ctgttggggc aactacacag accttactcc ccttagaaca ggaaaaaatt ataagattga 60
atattatactg gataatgttg ttggggtaga atccagaact ttcagcctgc tggcagagtc 120
tgtctctagc agtggcagca gcagcagcag caacagcaaa gcatcaactg tgggtacata 180
tgcccagata atgactgtag taattagctg tctgggttga agaattgtggc tcttggaat 240
atattatggct gcagtttcaa ctttgaatat aactttaaga agctactaaa gtgctgttcc 300
gaagaatagg ctgaaacaaa aatataagaa ttattagcta ctttggttggg caataggcaa 360
aagtctatag cattttcatg aaaatatact aaaaatattt ttatgatata taaaatgtac 420
taattagctt tacctcggnc cgcgaccacg c 451
```

<210> 240

<211> 341

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 326, 335  
 <223> n = A,T,C or G

<400> 240  
 cttcaagcta ggttttgcag ttcccaacca caacattctt ctattttgcc aggctggtgc 60  
 aaagtaatta aagatgtcaa tcagaaatgt caatgagact aaagtgggtt tgtaaactctc 120  
 agctatatatt agcaacactc catgtagcta atattttttg gtagcatctg gtagacctta 180  
 gaatgttaca tagccagtag gttctttatt caaattttta gtatcttaag aatagtaggg 240  
 cagtaacagt tactttttgag agttttctgg tcaagctttt accaggcatt ctctagcctt 300  
 ggtacaaaaa aaaaaacctg ctggtngcgc aaatncctag g 341

<210> 241  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 238, 328, 365, 374, 378, 382, 386, 388, 395, 400, 427  
 <223> n = A,T,C or G

<400> 241  
 ctcaaatgta taaaccatta agtagtcaaa tggctacagt gaaaaacagt attttatagt 60  
 aggtatagat aattggcaca gataagctca gaaaagaatg atcagttctt gctggagtaa 120  
 ttctagggaa atggctttca tggagaaaag gaaaagagga agtgtagtat cagtctatgt 180  
 tgtctattgc taatgtggaa tgggtgtttc tgcttctacg ccttactgat tccagttntt 240  
 atatttagaa aacaaattaa gtgaagcttc tggaggtagg gctgaaaatg gtgaaagaag 300  
 tgacttggaa gaggacaacg agagggangg aacggaaaat ggagccattg atgctgtgtc 360  
 ctgtnatgaa aatnttttnc cngganangg atttnggatn gctacgaaga acggaattcg 420  
 gattccnctt 430

<210> 242  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 92, 93, 147, 150, 162, 165, 187, 191, 196, 205, 207, 210,  
 227, 232  
 <223> n = A,T,C or G

<400> 242  
 gtcgcagtag ttccagtagc agctccagta caagtggcag cagcagcaga gatagtagca 60  
 gtagcactag tagtagtagt gagagtagaa gnnggagtag gggccgggga cataatagag 120  
 atagaaagca cagaaggagc gtggatnngn agagaaggga tncnncagga atggaaagat 180  
 gttcatnata naaatngtgg tgtananaan atcaaaaaaa ctggggnttt gnattaacg 239

<210> 243  
 <211> 282  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 241, 267, 274

<223> n = A,T,C or G

<400> 243

```

aaatgactgt gctgcccctt tcacatcaaa gaactactga caacgaaggc cgcgcctgcc 60
tttcccatct gtctatctat ctggctggca ggaaggaaa gaacttgcac gttggtgaag 120
gaagaagtgg ggtggaagaa gtgggtggg acgacagtga aatctagagt aaaaccaagc 180
tggcccaagg tgtcctgcag gctgtaatgc agtttaataca gagtgccatt ttttttttgt 240
ncaaatgatt ttaattattg gaatgcncaa ttgntttaat at 282

```

<210> 244

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 593, 606, 608, 677, 682, 697, 701, 703, 710

<223> n = A,T,C or G

<400> 244

```

aaaggtccaa aagcctgcc aaccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagtcttat tctgcccact tattccagaa 120
tggcagtgtg ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat aaccctgaaa aagtgatgcc tcaaggtctt gtcacatctt ttgctatgag 240
aatgctttac atgattgagc aagtgcacga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttgga aaggattttt ggaacaggat gatgaagatg atttatctgc 360
tggtctggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg ggttgctgca acagtatatt gcatgctctt 540
tggcacttac atgaaagtga aaaatgaagg aaggagaagt gtaaaccttg aangtctttt 600
tagaangntt tcctcatttg ggatattgtg ggaatgaatt tttttcatgt tattgttgaa 660
tattccaaaa tggcatnttc tncctctttg gaattgntaa ngnaaaaacn cg 712

```

<210> 245

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 481, 489, 505, 533, 535, 538, 585, 589, 591, 595, 626, 647, 655, 661, 662, 683

<223> n = A,T,C or G

<400> 245

```

catttttaag gcttatctaa ttaactgtgt ttggaactgc tataaatata tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctcctcagt acgttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaagaaat tctgcctttg acaataaatc ctataccagc tttttgtttg tttatgttac 240

```

```

agaatgctgc aattcagggc tcttcaaact tgtttgatat aaaatatggt gtcttttggt 300
taagcattta ttttcaaaca ctaaggagct ttttgacatc tgttaaactg ctttttggtt 360
ttttgttaag tcttttacat tttaatagtt tttgaagaca atctagggtta agcaagagca 420
aagtgccatt gtttgccttt aattgggggg tgggaaggga aagaggggtac ttgcccatag 480
ntgcctttnt aactgcactt tctgnatata atcgtttgca ttttggtact tgntnccntg 540
agtactttca ggaagactga cttaaatatt tccgggtgga gtaangagnt ngggnattaa 600
gaacttgaaa ctttttcatt tgccanaagg caaaaaaaaa aaatttngac cattnggggg 660
nnttggacct gtgggaaaaa aanaatggg                                     689

```

```

<210> 246
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 496, 526, 539, 573, 584, 647, 688, 701
<223> n = A,T,C or G

```

```

<400> 246
ctgaaagaag cccaagtaca gtatcctctc cagacatttg caattggcat ggaagacagc 60
cccgatttac tggctgctag aaagggtggc gatcatattg gaagtgaaca ttatgaagtc 120
ctttttaact ctgaggaagg cattcaggct ctggatgaag tcatattttc cttggaaact 180
tatgacatta caacagttcg tgcttcagta ggtatgtatt taattttcaa gtatattcgg 240
aagaacacag atagcgtggt gatcttctct ggagaaggat cagatgaact tacgcagggt 300
tacatatatt ttcacaaggc tccttctcct gaaaaagccg aggaggagag tgagaggctt 360
ctgaggggaac tctatttggt tgatgttctc cgcgcagatc gaactactgc tgcccatggt 420
cttgaactga gagtcccatt tctagatcat cgattttctt cctattactt gtctctgcca 480
ccagaaatga gaattncaaa gaatgggatg gaaaacatct tctganagag acgtttgang 540
attccaatct gatcccaaag agattctctg ggnacaaaaa gaanccttca gtgatggaat 600
aacttcagtt aagaattcct gggttaagat ttacaggaa tacgttnaac atcaggttga 660
tgatgcaatg atggcaaatg cagcccaana atttcccttc n                                     701

```

```

<210> 247
<211> 577
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 498, 503, 509, 513, 522, 525, 542, 544, 557, 560, 568
<223> n = A,T,C or G

```

```

<400> 247
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagacc tgctgaacan ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcacccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccatttctct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gagccagttc ctttctgttc cccaccattt gtcacccgga 480
cctctttttt ttctttcnag aangctgant ctncattgat gngantgaag ccctcccagg 540
gntnctctgg ggccttnacn ataactgncc gtccctt                                     577

```



<210> 248  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 248  
 aaagtaagtc gtttcctttt atttgaacac ctagggggcca ttttagagtt ataattagcc 60  
 caatttctat atcattttgt ctcaggggaat agaagcgtga gggagggaga gagttggggg 120  
 aatggctggt tggtagagt gtcagaatac acacaacatt tataaat 167

<210> 249  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 280, 293, 326  
 <223> n = A,T,C or G

<400> 249  
 gtctactgcg agaatgaaga ctattctcag caatcagact gtcgacattc cagaaaatgt 60  
 cgacattact ctgaagggac gcacagttat cgtgaagggc cccagaggaa ccctgcggag 120  
 ggacttcaat cacatcaatg tagaactcag ctttcttgga aagaaaaaaa agaggctccg 180  
 ggttgacaaa tggtagggta acagaaagga actggctacc gttcggacta tttgtagtca 240  
 tgtacagaac atgatcaagg gtgttacact gggcttccgn tacaagatga ggnctgtgta 300  
 tgctcacttc cccatcaacg ttggtntcca gga 333

<210> 250  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 314, 317, 320, 333, 348, 353  
 <223> n = A,T,C or G

<400> 250  
 ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60  
 agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120  
 gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180  
 ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240  
 agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300  
 gacctcccc ctgnctntcn accttggggg aantgagaag acaaggantg ggncttgttc 360  
 cttg 364

<210> 251  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<220>

```

<221> misc_feature
<222> 87, 93, 99, 160, 169, 176, 182, 188, 190, 196, 214, 219,
226, 229, 231
<223> n = A,T,C or G

<400> 251
gccagcgcga aggaagtgct ggagtcgtgt gttttggctg cgcgatgatcc tgcgtgggtc 60
gggaggtggt tctgtgaaaa gcctaangat tanactgtna gaaaagaaaa tagaagccat 120
gtttcgaaga cctgtattac aggtacttcg tcagtttgtg agacatgant ccgaanacaac 180
tnccagtnn gtcttngaaa gatccctgaa tcngtgcnc ttcttntgnc nagtgggtca 240
ggaccctg 248

<210> 252
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 354, 360, 363, 366, 373, 395, 400, 403, 410, 415, 417,
425, 432, 440, 444, 448, 464, 469, 472, 495, 513, 518, 534
<223> n = A,T,C or G

<400> 252
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgcctt taagcattat ctcccttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataaccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaaagg cttgagggat gaatttgatc atcattctta aagtccttc caatcctgtg 300
attctctgat tccctgagct cggttattat tggacatgcc tagnccatta ccangacctn 360
ccngcntatg gtngtttccc tgggataacg gaganctatn ccncatgccn ttgngnctc 420
catcntatca angaagttgn tttntgantt ttttccatct aaancctcnt angtttggtt 480
tgagaaaaag atgnggaagt ccttttcatg aanttcgnag ggcaaaaaaa attntttt 538

<210> 253
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 279, 280, 299, 309, 313, 321
<223> n = A,T,C or G

<400> 253
cctgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcggttga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgccccaatg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc naccattca ga 332

<210> 254
<211> 343

```

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 299, 334, 335, 339  
<223> n = A,T,C or G

<400> 254  
ctgcaggcag tcccggctga gtttgaatgc atccaccctg agaagcagca gaaaaagaaa 60  
agctacaaga actctggaac tatccgtgtc aagatttgct gggtagaaac agagtactcc 120  
tttctggact atgtgatggg aggctgtcag atcaacttca ctgtgggcgt ggacttcact 180  
ggctccaatg gagacccctc ctcacctgac tccctacact acctgagtcc aacaggggtc 240  
aatgagtacc tgatggcact gtggagtgtg ggcagcgtgg ttcaggacta tgacttcana 300  
caagctgttc cctgcatttt ggatttgggg gccnnggtnc ccc 343

<210> 255  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 190, 338, 359, 374, 383, 390, 398  
<223> n = A,T,C or G

<400> 255  
aaaactgcaa gcaccatgcg gttcatacaa tcttgattatt actgttaatt tatcaactaa 60  
tacaactca aaaatgcac cgccagcag cgccagcaat ttcaaaggg aacttaaaaa 120  
tacactttta ttttggtatt tttgtcagtg caacttaaat ccttttactg acctgcagaa 180  
aaaaaaagtn ataataaaga aaaacaccca tatcttccct ataactacta tacaactgaa 240  
gaattgaagg ggggggacac caccaagaac tcttccctact atctcaaaag cagggaagaa 300  
aacgcaatgc attggtttta agaacccctc tggaaaantt gcaaaatact tggccatgng 360  
tgggggtttt ggtncattct tgnacctagn aagttagngt taag 404

<210> 256  
<211> 339  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 310, 311, 331, 335  
<223> n = A,T,C or G

<400> 256  
ccagtggctg gagcggcagg gttccacaaa cttctccacg aggtccacaa acaggtctct 60  
gacatcttta ttgtgggtca gottggcggc caggttcacc agccccggg acaggttctt 120  
gaagttggct tccatctcag agaagacgcc cagctttccc cggagagcag tgcacaccag 180  
gctcttgtgc aggtccagaa ggtccttgtc agccactagc accttgagct ccttcaagtc 240  
ctggagaaat tccttgtcta agtccatgtc catgtcatcc atctgtgagt cgacgggtcc 300  
aaaggtccan ntttgatca tgagctcaac ngcanaaag 339

<210> 257

<211> 553  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 345, 352, 355, 359, 364, 399, 415, 430, 435, 457, 478, 487,  
 497, 507, 523, 533, 548  
 <223> n = A,T,C or G

<400> 257  
 aagagagaag attatatttg aatcacaaat cttgttgaac atccagccca gctcaatcct 60  
 ccagttgaca atgacacacc agttactctg ggagtatatc ttaccaagaa ggaacagaaa 120  
 aaacttcgga gacaaacaag gaggggaagca cagaaggaac tacaagaaaa agtcaggctg 180  
 ggctgatgc ctctccaga acccaaagtg agaatttcta atttgatgcg agtattagga 240  
 acagaagctg ttcaagaccc cacgaaggta gaagcccacg tcagagctca gatggcaaaa 300  
 agacagaaaag cgcatagaaga agccaaccgc ctgcccgaag actcncagcc gnacnagang 360  
 aaanggccaa gaaaatttaa aaagggttaa agaaaaacnt ttccccaggg gggtncccat 420  
 ttcttggttn ttaanagttc cgaaattttg aagcaanccc agccccaaaa gttcaanaaa 480  
 ttggaanccc attgctnggg caacttntcc ctgacaaggg gngngggggg acntgcccc 540  
 gggatgtinca ccg 553

<210> 258  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 355, 358, 360, 366, 373, 376, 387, 389, 400, 404, 407  
 <223> n = A,T,C or G

<400> 258  
 aaaaaatgca ctgagtttgg gttaaaaaacc aaccacacaa atggatttca acacagctct 60  
 aaagccaagg gcgtggccgg ctctcccaac acagcgactc ctggaggcca ggtgcccattg 120  
 ggcctacatc ccctctcagc actgaacagt gagttgattt ttctttttac aataaaaaaa 180  
 gctgagtaat attgcatagg agtaccagaa actgcctcat tggaaacaaa aactatttac 240  
 attaaataaa aagcctggcc gcaggctgcg tctgccacat ttacagcagc gtgcgatgca 300  
 caccgtgacc aaaccacgga agcagcttct ggcaattaca cccacgaact gccnggnen 360  
 ggccgntcaa aangcnaaat ttccacnenc tggccgggcn gttnttngtg ggatccaacc 420  
 tcggtcccaa gcttgggcgt aatta 445

<210> 259  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 306, 310, 318, 330, 333, 343  
 <223> n = A,T,C or G

<400> 259  
 aaaccgcgcg gactttctgt aagaagtgtg gcaagcacca accccataaa gtgacacagt 60

```

acaagaaggg caaggattct ctgtacgccc agggaaagcg gcgttatgac aggaagcaga 120
gtggctatgg tgggcaaact aagccgattt tccggaaaaa ggctaaaact acaaagaaga 180
ttgtgctaag gcttgagtgc gttgagccca actgcagatc taagagaatg ctggctatta 240
aaagatgcaa gcatttttgaa ctgggaggag ataagaagag aaagggccaa gtgatccagt 300
tctaantgtn atcttttntt attgaagacn atnaaatctt ganttttt 348

```

<210> 260

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 335, 337, 346, 372, 375

<223> n = A,T,C or G

<400> 260

```

ctgcaagcca ttcgaataat tcaagagaga aatggtgtat tacctgactg ctttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaaataa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaataa cagaagagcc cacagtgcac tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacaccca cctcagaag ttaaaatgca ttttgctaata 300
cagtcaatag aacctttggg aaagaaaatg gaaangnctg aaactnctcc cttccccaaa 360
aaggacctcg gncgngacc 379

```

<210> 261

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 265, 297, 305, 311

<223> n = A,T,C or G

<400> 261

```

ccttgagagc ccagcccttg catcagtgtg gcctggacgt gagacatgga gtcaaaagag 60
attattttgg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120
ctgtagccctc tttgttttgc ctgatttctc tcttttggaa tgggagtgtt tagccaatgc 180
ctgtgccccct attgtatctt ggaagtaact aacttgtttt tttattttat agactcatgg 240
gcagaaggga cttgccttgt ctcanatgag actttggact gtgggacttt tgagtttnaca 300
ctganatgag ntaaaatttt tggggacttg ttga 334

```

<210> 262

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 104, 186, 194, 219, 224, 231, 239, 260, 267, 275, 296, 303, 312, 323, 326, 330, 336, 344, 349, 353, 355, 363, 367

<223> n = A,T,C or G

<400> 262

```
catttttaag gcttatctaa ttaactgtgt ttggaactgc tataaataca tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctnctcagt acgtttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaanaaat gctncctttg acaataaatc ctataccanc tttntgtttg ngtagctna 240
cagaatgctg caattcacgn gctcttnaaa cttgngtgat ataaaatttg gtagcntttc 300
gcntaagcat tncattttcg aancantaan gagggncctt gccntttgnt tancnagctt 360
tgnttttctc ttttgg 376
```

<210> 263

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 290, 313, 323, 327

<223> n = A,T,C or G

<400> 263

```
ctgctatttc caccaataga gagaccagga agaatccttt actgcagtct ccatcacgaa 60
atgagaacaa aacgtccatg ttctcataag tcaggggctt attaggatcc tttttcttcc 120
agtttgccaa gacacagtct gcataaacca aaataggagg cagttccagt ttcttggaga 180
gttggcagta aggaacagca atatttcttg gcaagacctt acggacatct ccattgacct 240
ttgccccaca catatgccat ggtgatgcat cccagaacta gacgtgcaan gccgctgtga 300
cttgtggtct tngnagatga tcnatgntgg agc 333
```

<210> 264

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 226, 269, 277, 319, 320, 343

<223> n = A,T,C or G

<400> 264

```
gaaagagtaa aaccttttat gacaggggct gcagaacaaa tcaagcacat ccttgctaata 60
ttcaaaaact accagttctt tattggtgaa aacatgaatc cagatggcat gggttgctcta 120
ttggactacc gtgaggatgg tgtgacccca tatatgattt tctttaagga tggtttagaa 180
atggaaaaat gttacaaaat gtggcaatta ttttggatct atcacntgtc atcataactg 240
gcttctgctt gtcattccaca caacaccang acttaanaca aatgggactg atgtcatctt 300
gagctcttca tttatttttnn ctgtgattta tttggaatgg gangccc 347
```

<210> 265

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 342, 346, 357, 365, 370, 380, 381, 386, 391, 399, 405

<223> n = A,T,C or G

<400> 265

```
tcttggttgaa atccgaaatt tcttgggtga aaaatatatc cgcagggttc ggatgagacc 60
aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 120
cattgagctt gtttcaaatt cagcggcttt gattcagcaa gccacaacag ttaaaaaaca 180
ggatatcagg aaatTTTTTgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 240
tgatgaataa gatctaagag ttacctggct acagaaagaa gatgccagat gacacttaag 300
acctacttgt gatatttacc tcggcccgcg accaccctta anggcnaaat tccacancac 360
tggcnggccn tttccttggg nggatnccaa nctcgggtnc caagnctttg g 411
```

<210> 266

<211> 291

<212> DNA

<213> Homo sapiens

<400> 266

```
ctggtgctct ggggtctacc tacctgacat ccttcagtc ttatcctttg tttcctatcc 60
aggcccaggc ttgtggctga gaacatccac tttcagtcct atatacctgc ctccaagtgt 120
ggtacagaga acttgggctt gctgggggcg cttagcctta ctctctccac cacctctccc 180
accaaccccc agatgaactg caggtagacg tttcttcctt gcttggagcc ccagtttttg 240
catttcattt tcattaaaat agaaagggtg tttggttttg gttctaagga g 291
```

<210> 267

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 368, 404, 408, 434, 441, 495, 497, 500

<223> n = A,T,C or G

<400> 267

```
aaaagcaatt actgtactta tgtatcgaac ttatttgtgt agcaactaat tcatctgtga 60
agccatgggt tgtgtggct tcacagtaaa ttttgactta agtctaaagc gtgtgttagc 120
atctcacctg aacttaattgc ttcgagttag aagtttgagg aatgctgctt taggcaaaag 180
agccactgga ggaatgagct ctgctctttt cacctgctct ggactgctct cactttcctc 240
accgacagga ccacaggctt aagaactggc tcagcagtc ttcttttaggg tctagcgctt 300
gcctaccagc ttctcttact tctatcccg gacagatgaa tgcttttctt aaaaattttt 360
ggaacatntg cttgattcct taccaaagtc cttaaaaaac tggnaagntc agctccgaca 420
tggacctcgg ccgnaacccc nctaaggcga attccaccct ggcggccggt cctaggggac 480
caactcggtc ccacntngcn aatatggc 508
```

<210> 268

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 187, 337, 344, 347, 353

<223> n = A,T,C or G

<400> 268

```

aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttataacc caactactta ctcaccccgga atattttaagt cagtcttcct 180
gaaagtnctc agggtagcaa gtaacaaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaaaggaaac tatgtggcaa gtacctcttt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctaat gtcttcnaaa actnttnaaa tgntaaaga 359

```

```

<210> 269
<211> 220
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 186, 190, 196, 201, 203, 209, 211
<223> n = A,T,C or G

```

```

<400> 269
ccagcttcga gaaagagttg agaagttaaa catgctcagc attgatcatc tcacagacca 60
caagtcacag cgccttgac gtctagttct gggatgcac accatggcat atgtgtgggg 120
caaaggatc ggagatgtcc gtaaggctct gccaaagaa attgctgttc cttactgcca 180
actctncaan aaactngaac ngnctcctnt ntttgtttat 220

```

```

<210> 270
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 364, 388, 390, 417, 419
<223> n = A,T,C or G

```

```

<400> 270
ggcaggtctg caagccattc gaataattca agagagaaat ggtgtattac ctgactgctt 60
aaccgatggc tctgatgtgg tcagtgcact tgaacacgaa gagatgaaaa tcctgagggg 120
agttcttaga aaatcaaaaag aggagtatga ccaggaagaa gaaaggaaga ggaaaaaaca 180
gttatcagag gctaaaacag aagagcccac agtgcattcc agtgaagctg caataatgaa 240
taattcccaa ggggatgggtg aacattttgc acaccacccc tcagaagtta aaatgcattt 300
tgctaatacag tcaatagaac ctttggaag aaaagntgga aagggtgga aacttcctcc 360
cttncccca aaaaaggacc ttgggcncn aaccccccta aagggccaaa tcccancnc 420
acttgccggg c 431

```

```

<210> 271
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 311, 315, 335
<223> n = A,T,C or G

```

```

<400> 271

```



```

ccaaaggaat ctgcagcaac ttctttaaact actgttaaca tctttgggtt tgctgaggct 60
tgtcagtaac ttacatcaaa tcctcccaaa agaagatctg attagataga tatgactaaa 120
cggttttgta gtaataatcc aattttacac attaatgtgc tgttgcaaat ctgccccaaag 180
ctacaggtaa tgaaaaataa agcaagtgtg aaatggatag tctgacactt aaaaatttat 240
acaaagtgga agttaaagt ttacatatttg aaaatcacat atacactaaa ttaccattat 300
ctgaattttt ncaanacaaa ttgcaccatg accanctaca aaa 343

```

```

<210> 272
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 223, 318, 325, 332, 333
<223> n = A,T,C or G

```

```

<400> 272
aaattttgta gccattctta tgatgctctt gatttggttg ttacacaaat caattttatt 60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagttgcta caaaggtaaa taatggagag atttggtaca aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa atnacctgag gagtgtaatg 240
tttatttttt tgtgtatatc ttgcaatct attttatata tattgacaaa agagactgtg 300
aaataacttag ccatgcanaa ttgngacca gnnccagagc 340

```

```

<210> 273
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 300, 340, 374, 384, 386, 397, 423, 425, 432, 438, 442, 446,
453, 486, 488, 489, 501, 503, 518, 525, 539, 555, 559, 566,
575, 594, 596, 604, 608, 614, 617, 618
<223> n = A,T,C or G

```

```

<400> 273
aaagcttccc cagcaacgtc agcaagagtt gcaaatcact gctcaacaga acctcttacg 60
aagcaaaaaac ataaagaaaa ataagccggg cagagtggct cacgcctgta atcccagcac 120
tttggaaggc agaggcgggc ggatcacctg aggttaggag ttcaagacca gcctgggcaa 180
catggtgaaa ccccatctct actaaaaata caaaaattag ccgggtatgg tggcaagtgc 240
ctgtaatatc agctcatggg aggctgaagc acgagaatca cttgaatcag ggaggcagan 300
gttgcaacga accaagatcg tgccactgtc tctagcctan gtgacggagt gaggcctccgt 360
ttcaaaaaaa aaanggaaaa ccncncaatt ttgggggncct ggggaatagt taaaaattaa 420
aangnccccct cnttgggnnt cntacntttt ttnccttttg aaccttttga aaccttccca 480
aaaatnanna gtggtttaat ntnttgtccc attctttntt taacngttta agaaaaaanc 540
cttaaatgga agggncctng gccggnaaac ccccnttaag ggcgaaattc ccancnccct 600
tgnggggncg gttnctnntg ggttccc 627

```

```

<210> 274
<211> 169
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 151, 158, 160, 162  
 <223> n = A,T,C or G

<400> 274  
 aaatgactgt gctgcccctt tcacatcaaa gaactactga caacgaaggc cgcgcctgcc 60  
 tttcccatct gtctatctat ctggctggca gggaaggaaa gaacttgcac gttggtgaag 120  
 gaagaagtgg ggtggaagaa gtggggtggg ncgtctgngn tntcttgag 169

<210> 275  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 206, 287, 325, 350, 363, 366, 383, 406, 412, 415, 419  
 <223> n = A,T,C or G

<400> 275  
 aatgtgggct ccaagcagat gcagcagatc cgcattgtccc ttgcgaggaa ggttgtggtg 60  
 ctgatgggca agaacaccat gatgcgcaag gccatccgag ggcacctgga aaacaaccca 120  
 gctctggaga aactgctgcc tcataatccg gggaatgtgg gctttgtgtt caccaaggag 180  
 gacctcactg agatcaggga catgtngctg gccaaaggact tcgagaaagc atacaagact 240  
 gtcataaaga aggacgagca ggagcatgag ttttacaagt aacctnccc ttccctccac 300  
 ccacaccact tcagggggct tgggnttttt ttgcacccc cagcaccctn tatcccaaaa 360  
 ccncanttcc cttttttttt ttcccccaag gattgggggt cttcantaat tngantaana 420  
 accgaaatcc 430

<210> 276  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 236  
 <223> n = A,T,C or G

<400> 276  
 ggcatcacga accatcctgc ttcaaggagg cctgcgggtc tgactgcagc tttagctatg 60  
 acctggagtt cccgggcttc tctgcggggc accagtctgt atgctccatt ttagataata 120  
 aaaattggca tattctgggg tgggcaggat acgggggttca cctgcagatg aacagggcag 180  
 gaaaagcttg atggggtgtc gggggaatct ggttggcctt aaagggaatt tggggncctg 240  
 ttctgaatt tggtaggcaa gcatgcatgt aaggcttgaa gtggggttgg 290

<210> 277  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 373, 378, 397, 401, 403, 421, 436, 444, 450, 466, 475, 485,  
 490, 491, 501, 511, 517, 525, 528, 538  
 <223> n = A,T,C or G

<400> 277  
 ccaacaaacg tatggtggag tatgaagagg cccaggcata tgcagatgac aacagcttat 60  
 tgttcatgga gacttcagcc aagacagcta tgaacgtgaa tgatctcttc ctggcaatag 120  
 ctaagaagtt gccaaagagt gaaccccaga atctgggagg tgcagcaggc cgaagccggg 180  
 gtgtggatct ccatgaacag tcccagcaga acaagagcca gtgttgtagc aactgagggg 240  
 gtggctagca gcaacaagt atggagctag cacaagagct aagaaataac ctccatccct 300  
 acccctcagc acacagcccc tacggtaacc agcacactga gccctggctt ccaaaggctt 360  
 gccttcctga cancttcntc atggcacttt tttaacnctt nancaaccaa acaccaaggc 420  
 nagacctcg gcccgnaacc ccncttaan ggcgaaattc ccagcncact tggngggccc 480  
 gtttinctan nggggatccc naacttcggt ncccaanctt tggngttnaa tcattggnca 540  
 ta 542

<210> 278  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 319, 344, 347, 356, 365, 369, 372  
 <223> n = A,T,C or G

<400> 278  
 aaaacagaca tttaacatac acaagttata gtagcagtat gggcttctcc tccattggc 60  
 aattaaatgc ttttatcttc ttctgaaaag atgatgtgga ccaacaggta tcagacttgc 120  
 caacaaggtc ggtagactct tcccagcata catctgagca tgtcaaaatc tctccttcct 180  
 ataggaaatt tagctgagtt ttcttcaccc ccaatttctc tcttttcttg tgttgattta 240  
 gtattctgaa ctccattctc agctgggaaa gctacagatc ctttttagtgc aagataaggt 300  
 tttatagcca gattcagtn gacacatga tttaagaaat ctgnttngga ccctgngtct 360  
 tttgnaacnt tntttgtcct ctctgtgctt gaaa 394

<210> 279  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 348, 360, 375, 386, 389, 413, 416, 427, 449, 467, 472, 476  
 <223> n = A,T,C or G

<400> 279  
 aaagaacctg ttcatcttcc ttttttggtt aaagtgtctt aagaactaaa agggccggtc 60  
 cttactggaa taaaattaac tacacatgcc atacatttct ggggtcaatgt tgctgggtta 120  
 attccctcag aattagcaat tcatagaaaa ttaattgtta agttatcgca ctttcattgc 180  
 aaaagtacaa tttagagttc acaatacaag gctctgtggt ataaagtgcc tatgagcagc 240  
 ttcccatcat aactgaggc tacagaactt ccttgagaaa cagaccatt gttggcataa 300  
 actgtagtca ctgtaggctt ctcatagata atgttctgga tgccgganaa cctctgaccn 360  
 aaggaagatt gttcnggtca tacacnaana ctttttggtc ctgcccgcc ggnccgntcaa 420

aagggcnaat tccacacatt gcggccgtnc tatggatcca actcggncca anttgncgta 480  
actggcatac tgt 493

<210> 280  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 280  
aaaacaaaat tagtggtaaa atagaaaaag gaaatgttta gtacagaaag taccagccac 60  
agtaccctca taactccatc tccttcccca ggcatactc tttccagcca cttcaatcct 120  
aaagcagtga gacctcatt ttaacacaca gagcctccct gcctaccctc cttccctgta 180  
acgtgagcta ctgtagtcca ttattagtt cttcggttaa gcttcagtag acatttggag 240  
cacaattcca aaggtaaata aatctatagg 270

<210> 281  
<211> 150  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 7, 10, 25, 30, 38, 50, 51, 67, 81, 85, 111, 131, 136, 140  
<223> n = A,T,C or G

<400> 281  
ggcaggngtn aggtcttcct ctttctctgan actggatntg ttcaaacagn naacgcccac 60  
agatggncca aagggtggtg nagtnagggg gtgtgggtgt ttttaagggt ntctgtgata 120  
ggacccatcc nttcangggg ggggggtgtc 150

<210> 282  
<211> 300  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 247, 295  
<223> n = A,T,C or G

<400> 282  
ctgtgagcaa aaggagaagt atcagcttct caagggccta gggtttggtg gaagggcaag 60  
gcaagggcaa aggggggatac agaacaaggg ggcaagtacc agtgccctggg atggacccat 120  
ccattcaggc aggggggtgtg ggggtgtcccc tgtgcttaga aaccacctag catcatagct 180  
gcaacagcac ttatttggga tctgagtcta cagttcacat agggaggtga agccgtggga 240  
gaagcanggg taaaaaaaaa agggggggggg acttcacccc ctagggacag acctnggccg 300

<210> 283  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 470, 526  
 <223> n = A,T,C or G

<400> 283  
 aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60  
 tttttgcctt taagcattat ctccctttcca ccaagaagcc tacttaggtt taacacatga 120  
 aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180  
 ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240  
 agattaaagg cttgagggat gaatttgatc atcattctta aagtccttc caatcctgtg 300  
 attctctgat tccctgagtc tcggtttatta ttggacatgc ctagcccatc accagtgacc 360  
 tgcccgcata ttgctggctt cccttgata acggagagcc tatcaccaca tgcctttgtt 420  
 gtcttccatc atatcaagtg agttgctttc tggacttttt ccatctaaan cctgctagggt 480  
 ttggttttga gaaaagatgg agaagtttct tttcatgagt ttgtanggca aaaaaaatac 540  
 ttttt 545

<210> 284  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 488, 583, 591, 592, 598, 605, 618, 621, 623, 628, 633, 634,  
 648, 661, 662, 670, 672, 674  
 <223> n = A,T,C or G

<400> 284  
 cctcaccaag tcttggtgtt ttctagctag ctctataaac ttttttcagc ctctgttcat 60  
 taccaggttc caaagctgct tctacatttt cagatatttg ttatcagcaa aaacccccacc 120  
 tcttggtacc aatttttcagc cttactctgt tttctgatgc atatagcaga atacttgaaa 180  
 ctgtataata tataggaatc aaaatgtatt tcctacagtt acaaaggctg ggaagtccaa 240  
 ggtggagagg gcacatctgg caaaagtctt cttgctagtg gggactctcc actttggcag 300  
 aggtggcaca gggaatcaga tgggtgagggg gaagaacatg ctagctcagg tctgtttttc 360  
 tcttcttata aagccaccag ttctctccg atgataatcc attaatcat taaccatta 420  
 atcatggaag ctcttaattt cctcttaaag gccctacctc tcaaaactgt catattgggg 480  
 gattaagntt caacatgagt tttggagggg ctgaacattc aaactatagc ataacacaca 540  
 tgctcaccct tgaagatgga agactacaag cctctaaagc agnttcaact nncttcnnga 600  
 tctgntgaaa aacaagcnga nanaatgntt ttngagagg gaatccncc cctccttgga 660  
 nnggaccttn gnangcttaa aag 683

<210> 285  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 452, 604, 605, 626, 642, 661, 681  
 <223> n = A,T,C or G

<400> 285  
 cgagcacgag ctgtgagggg attcacttgt gtgcggaact cctcggaacc atggcggtccc 60  
 tttcccttgc acctgttaac atctttaagg caggagctga tgaagagaga gcagagacag 120

```

ctcgtctgac ttctttttatt ggtgccatcg ccattggaga cttggtaaag agcaccttgg 180
gacccaaaagg catggacaaa attcttctaa gcagtggacg agatgcctct cttatggtaa 240
ccaatgatgg tgccactatt ctaaaaaaca ttggtggtga caatccagca gctaaagtgt 300
tagttgatat gtcaagggtt caagatgatg aagttggtga tggcactacc tctgttaccg 360
tttttagcagc agaattatta agggaagcag aatctttaat tgcaaaaaag attcatccac 420
agaccatcat agcgggttgg agagaagcca cnaaggctgc aagagaggcg ctgttgagtt 480
ctgcagttga tcatggttcc cgatgaaagt taaattccgt caagattaat gaatattgcg 540
ggcacaacat tatcctcaaa acttcttact catcaciaag accactttac aaagttagct 600
gttnnaacag tctcagactg aaagntctg caacctggag cnattcattt atcaaaaact 660
nggaggaagt ttgcaatcct ntt 683

```

```

<210> 286
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 286
aaaatccctc aaaaactggt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
taggatttct ggtagcgagc gcgggcacca gggcctccaa actttttgga ctgcagcga 120
cgagggtcag ctaccagcag ggtccgggtca tactggatga ggatgtcttt gatctccttc 180
ttggaagcct catccacata tttctggtaa taggcacca gggctttgga gatggactga 240
cggatagcat aaatctgggc cacgtgacca ccaccttta cacggacacg gatgtctaca 300
ccagcaaate gctccttgcc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
cgcggtcaca tcatctccag gggcgcccg ttcacctga tgagaccatt gccgc 415

```

```

<210> 287
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 287
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaa gaattatttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

```

```

<210> 288
<211> 538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 130, 352, 379, 402, 443, 477, 501, 510, 530
<223> n = A,T,C or G

```

```

<400> 288
nccattgatt taggccactg gcttagagta ctcttcccc tgcatgacac tgattacaaa 60
tactttccta ttcatacttt ccaattatga gatggactgt gggactggg agtgcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180

```

```

aaggcaata gagtcataca gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt aactgcacc attcccaagt taatccoctg aaaacttact 300
ctcaactgga gcaaatgaac tttgggtccca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttccctttcca attgaattaa antgtggcct cgttttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat ccccaacctc nggatacccn aggccttggg ccgctaaatn caattggg 538

```

```

<210> 289
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 289
ccactccctg accccatccc acctccccag cagttcccgga gggcagggct gaccgcagag 60
ctatccctcta gtctccagac cacattatcg cttttcttct gttttctcca attgctgggt 120
gtttgtgttg ctctccccc acacccccca gaaggacccc cgaaggatta tttggatgaa 180
cagtactcat aaacaggaag cactggctac agttattctg aaaaatccca aacgcaaaag 240
ggaggcaaaag ctgtctccac cctgcaggat gacaaaggca atggccgcag agtggcttcg 300
gaccccatat gggaaccaga tcagatctct ctgggcttct gttttcctta ctgtaaaggc 360
tggagtgcag tggcacgata tcggctcact gcaatctctc aacccagga gggttcaagc 420
gattctcttg cctcagcctt ccagaagct ggaactacag gcgcccgcga ccagg 475

```

```

<210> 290
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 290
nctgaggttg tcagtacaat gaaaccaaac tggcgggatg gaagcagatt attctgccat 60
ttttccagggt ctttgagttg cactgcaaat ctggggctga tcacccaca cttgttttagc 120
ctgctgtga ggttcacaac aattttccca gctctgtggt catcaatgat ttcaaattcg 180
ccaatgtaac catgcttcac catcacagtg agaaaccgga cgatgacttt ggagcacggc 240
ctaataagca cctggcgttt gcctctcttt tcggcattgt tgatactctt gagagcatct 300
gccaggacat tcatgcgcac cattgtg 327

```

```

<210> 291
<211> 688
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 543, 545, 669, 672, 674
<223> n = A,T,C or G

```

```

<400> 291
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180

```

```

ttgaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggg ctcattccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
ggagcctctt tttttttttt ccaagaaggg ctgagtctac atttgatgtg attgaagtcc 540
ctnncagggg tctctggggg cccttcacga taactgtgcg tcccttcaga gtaatgtcga 600
cattttctgg aatgtcgaca gtctgattgc tgagaatagt ctttcattct cgcacctgcc 660
ccgggcggnc cnangggcga aattccaa 688

```

```

<210> 292
<211> 213
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 69, 126, 141
<223> n = A,T,C or G

```

```

<400> 292
aaaaataaaa ttataaacia aatacagaaa aatattgaca cctgtgataa caaggaaatg 60
actcttaang gcagtttgtt gtcctggggg aaaaaatcat aagtgttata aagaaatatt 120
attgtncaaa ggaggaatgt natatttaag gttcatttac aacgggcatt tggcgctcgac 180
agaaaaagtc tttctatgta tacattcaac att 213

```

```

<210> 293
<211> 720
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 550, 631, 638, 652, 665, 668, 676, 679, 684, 689, 698, 701,
704, 712
<223> n = A,T,C or G

```

```

<400> 293
aaagagattt attaaatcat cttatcacia agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacia tgtcaaata ttttcttgcc tctgcagatg 120
aaaagttagc atcttatacc caactactta ctacccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaac tatgtggcaa gtacctctt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaagtctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atttcttcan gcaggtaagt aaaggagggtg ggggttcttt tttcaggcat tttcacggcc 600
ctttcatagg gttggcaaaa ccgtacttga nggaggtngc tttcaaaggg cnagggggta 660
cccangcnaa attctncng ggcnaaccgnt tttccggngt ngtntggaat gnttaattcc 720

```

```

<210> 294
<211> 680

```



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 563, 567, 586, 598, 601, 635, 637  
<223> n = A,T,C or G

<400> 294  
aaatgaaggc accaacaaga actactttca gatggtacag aattttcttat ttcttgaaga 60  
ctctgtgggt gaccacttct tcattagtta cctgcagcaa gacaccttcc tgccaaagga 120  
aaaaaaaaagt atctgaagaa gtttatcatg ttgtgccaaa agaacctaaa caacttcagt 180  
ggtggtctta ggatcaaaga agactcattg gtgtatagag taagccctga gtatcacatt 240  
cctgtaaagg caataaagcc gggcaatcaa actgatcata tctaaggaat gaatttcaac 300  
agccaacctt caacttttctc ttccagggtaa gacactgaac tagaattacc acatttaacc 360  
cacctattta gtactggata cataccaggc ttcataatgc agacaagaca cttcactcaa 420  
gtatgaacta ctatctgaaa atagattcaa ccattttttgc cctaccttct ttcagtctca 480  
tcctgataag catgtacagt tacaaccata aatacaacaa atgtctttta taaaaacccc 540  
tagttcactc aaaatgggtg atncaanaaa tgtgaatcac aaggngntaa ccatgggnaa 600  
nctcatggaa ttatttgaaa cttggcaggc cttancnttt ttacctacc cattttttac 660  
cttccccaaa cccccccctt 680

<210> 295  
<211> 666  
<212> DNA  
<213> Homo sapiens

<400> 295  
ccaggctggt tttgaactcc tgacctcgtg atccaccgcg ctcagcctcc caaagtgctg 60  
ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120  
ttcacctatt accatcagggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180  
tactttatgt ttccagtttac taccacctaa ggcagcaaga gagcaggaag ataagcaaaa 240  
tagagatggt ttgacaactc tggcactgag agactatcct aagggaataa tctgaaatac 300  
ataaaaaacat tttattcaca aaatttgtca tcacagcatt atttacaata ctgaaaatct 360  
ggaaatagcc taaatttcta acaattgaaa gaagggttaag taaattataa gactacacaa 420  
taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataactt 480  
agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattca 540  
cccccccaaa aaagacaaga tattatatgg caatttcgtg gtaaaatatt catgtatttg 600  
tgctgcattt ctaatttttc cgtaactgac acatcagttt tataattagg aaaaaatac 660  
ctttta 666

<210> 296  
<211> 691  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 423, 432, 480, 556, 566, 572, 578, 589, 590, 593, 614, 618,  
627, 641, 643, 644, 655, 658, 662, 665, 682, 685, 690  
<223> n = A,T,C or G

<400> 296  
aaaaaatgaa atgggaagat tgtcaggaaa ttaggatagc tactctagta taatttagaa 60

```

aaactaagca agagattctc cagttgctag tgagtaagca ctctgatttg agaaatgtgt 120
ggggacaatg gagaaaagtt ttcagaaaac tgctatgtag atttctgaat gtgttgattt 180
ttgctgagga attcggtaac aactgaaagg gaaaagtgtc tcagccatct tttgaaaaca 240
agttaaaatt ctggaacttg tatctgtaat acatcctaac tcttgtaaaa gaaaataatt 300
tatcatagct ggtgtccttt cattgaaagt tgtaatactg tctctaagga gggaggaaaa 360
gattattata taattttata actggcaaca tttgagttag tattgacttt gtctaaaaga 420
ggnttgactt cnactgggat aaaaatgtca gtgaattttg ttaaagtagt aaaaatgcan 480
gtgacttagt cggaacataa aattatttgc taataagata atattgcctc ctaccaaata 540
aaccgggatt tttagnaata tctganggat tngttgangg gcggagttnn acngtatttg 600
gcctagaatt tggnaaangt cacttgnatg tcaatatggc ngnncaatgt tgaanggntt 660
cntanaaacg acttttttct gncncccn c 691

```

```

<210> 297
<211> 699
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 663, 676, 689, 693
<223> n = A,T,C or G

```

```

<400> 297
gcatttacgc attcctccag tottaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaaatgtgg caaagctttt aagtttccca cgtgtgttaa cttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagacctg catcagggaa 480
tgtggaaatg acttttctga atttctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaattcttg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccttgca ttttacctg cccggggcgg 660
gcnctccgaa aagggncgaa attcccagna cnccttggg 699

```

```

<210> 298
<211> 691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 557, 569, 584, 588, 620, 622, 636, 638, 643, 648, 654, 661,
665, 670, 678, 680, 686
<223> n = A,T,C or G

```

```

<400> 298
ggatgtcatc agcattgaca agacgggaga gaatttccgt ctgatctatg acaccaaggg 60
tcgcttttgt gtacatcgta ttacacctga ggaggccaag tacaagttgt gcaaagtgag 120
aaagatcttt gtgggcacaa aaggaatccc tcatctggtg actcatgatg cccgcacat 180
ccgctacccc gatcccttca tcaaggtgaa tgataccatt cagattgatt tagagactgg 240
caagattact gatttcatca agttcgacac tggtaacctg tgtatggtga ctggagggtg 300
taacctagga agaattggtg tgatcaccaa cagagagagg cacctggat cttttgacgt 360

```

```

ggttcacgtg aaagatgcc aatggcaacag ctttgccact cgactttcca acatttttgt 420
tattggcaag ggcaacaaac catggatttc tcttccccga ggaaagggta tccgcctcac 480
cattgctgaa gagagagaca aaagactggc ggccaaacag agcagtgggt gaaatgggtc 540
cctgggtgac atgtcanatc tttgtacgna attaaaaata ttgnngcngg gattaataac 600
acaaaaaaaa aaaaaaaaaa cnttccccgg ggggngcntt ttnaaaangg gggncaaaat 660
ntttncnccn ccaccccn cn ttggnggggg g 691

```

```

<210> 299
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 349, 354, 360
<223> n = A,T,C or G

```

```

<400> 299
aaatctcatt tggttacctt gagtcctgga acatgcagta actgtcatgc tatagacatc 60
atctgtatatt ggctgggaat acaaatgaag attgtgggtg attcaagcag tagggttttt 120
gcttttgggtt ttgttttagt gccaacaaaa cttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggtt gggttgattt cttttttacc ctgtaatcca agcgtaata 300
gtttgttaga agatgggtta ttgcatgtca cttttttttt ttgtaaaana aaancttccn 360
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa a 391

```

```

<210> 300
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 300
ctgccccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cgggtggcgg 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcacc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggtc 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g 341

```

```

<210> 301
<211> 687
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 586, 626, 664, 669
<223> n = A,T,C or G

```

```

<400> 301
nnaaaggtcc aaaagcctgc caacccttgg gaattctaca ttgggaccca gttgatggaa 60
agactaaagc catctatgca gcacatgttt atgaagttct attctgccc cttattccag 120
aatggcagtg tattagtagg agagctctac agctatggaa cattattaaa tgccattaac 180
ctctataaaa atacccttga aaaagtgtat cctcaaggtc ttgtcatctc ttttgctatg 240

```

```

agaatgcttt acatgattga gcaagtgcac gactgtgaaa tcattcatgg agacattaaa 300
ccagacaatt tcatacttgg aaacggattt ttggaacagg atgatgaaga tgatttatct 360
gctggccttg cactgattga cctgggtcag agtatagata tgaaactttt tccaaaagga 420
actatattca cagcaaagtg tgaaacatct ggttttcagt gtgttgagat gctcagcaac 480
aaaccatgga actaccagat cgattacttt ggggttgctg caacagtata ttgcatgctc 540
tttggcctta catgaaaagt gaaaaaatga aggaggagaa tgtaancctg aaggctcttt 600
ttagaaggct tcctcatttg gatatngtgg aatgaatttt ttcattgttat gttgaatatt 660
ccanaatgnc atcatcttcc atctttg                                     687

```

```

<210> 302
<211> 691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 464, 490, 518, 548, 566, 577, 611, 612, 640, 647, 660, 671,
675
<223> n = A,T,C or G

```

```

<400> 302
ggcgcctctg cgcgcgggaa gatggcggaa caggctacca agtccgtgct gtttgtgtgt 60
ctgggtaaca tttgtcgatc acccattgca gaagcagttt tcaggaaact tgtaaccgat 120
caaaacatct cagagaattg ggtcattgac agcggtgctg tttctgactg gaacgtgggc 180
cgggtccccag acccaagagc tgtgagctgc ctaagaaatc atggcattca cacagcccat 240
aaagcaagac agattaccaa agaagatttt gccacatttg attatatact atgtatggat 300
gaaagcaatc tgagagattt gaatagaaaa agtaatcaag ttaaaacctg caaagctaaa 360
attgaactac ttgggagcta tgatccacaa aaacaactta ttattgaaga tccctattat 420
gggaatgact ctgactttga gacggtgtac cagcagtgtg tcangtgctg cagagcgttc 480
ttggagaagn ccactgaggc aggttcgtgc cctgctgngg gcagcctgac tagaccccc 540
ctgaggggnt gcattttctca atcgngtgtt aatcacnttc caagggccaa agcccagctc 600
ttttgttcaa nntgacttac tgtttcttac cttaaaaagn aattgtngat ggaaatcaan 660
tgtgtttggc ngggngaaat taataaaaaa t                                     691

```

```

<210> 303
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 363
<223> n = A,T,C or G

```

```

<400> 303
aaatctcatt tggttacctt gagtcctgga acatgcagta actgtcatgc tatagacatc 60
atctgtatct ggctgggaat acaaatgaag attgtggtgt attcaagcag taggggtttt 120
gcttttgttt ttgttttagt gccaaacaaa cttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggct ggttggattt cttttttacc ctgtaatcca agcgtaataa 300
gtttgttaga agatgggtta ttgcatgtca cttttttttt gtaaaataaa aacatacctt 360
ttnaaaaaaaa aaaaaaaaaa aaaaaa                                     385

```

```

<210> 304

```

<211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 169, 200, 529, 573, 574, 588, 627  
 <223> n = A,T,C or G

<400> 304  
 ccaagtcaaa attgggcccc gcgtctttct ttctgtctta tgacagacca gcctccagcc 60  
 ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggcccc 120  
 ctgaggcct caaattagcc aatggtgaat atggatatag gacttttana gggatgcagg 180  
 ttgagttgta cataacttan aggtgaagtg cagggtccgaa acagggctag acttttgaga 240  
 actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300  
 accttcttct gcaggctact tctggaaatc ctaggactt accagctttc tgaacactgc 360  
 gcatcatggg aggggtgaaga ggaaaagggg ctagttaaaa tcttgcttct actgtgggcc 420  
 gaactcagga ggagccctaa agctaagccc ttgggcttga cagctctact tttcacctct 480  
 aactaccact gtgccaatga gtgccgagtg ccaagatcag acctcgggnc gcgacccct 540  
 aagggcgaat tccagcacac ttggcgggcg ttnttagtgg atcccaanct cgggtaccca 600  
 agctttgggc cgtaaaatca atggggncat ta 632

<210> 305  
 <211> 696  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 562, 596, 617, 644, 650, 665, 672, 684, 689, 693, 695  
 <223> n = A,T,C or G

<400> 305  
 aaaactgact aggtcaaaaa tagttacgcc tgcaggttga cctattcaga ctttgccaaa 60  
 ctccccaag ttcaatataa attgacgttt tcagagtaca aagtcaattt tacggaaacg 120  
 ctgttcctcc ttttccatgg agccaatctg ggtaattttt tcattaaaat tcttcttctg 180  
 cctgttttgc gcggaactct ttgagctgct gtagccgctc gatagtttca gaaatggtgc 240  
 gttccccgtg gaccttattg tctcttgtgc ggatattaac agtgccactg attttctctt 300  
 tttcaccaac aactaaaatg aagttatact gtgctaactg tgcatttcga atctttttat 360  
 tcaatgtaca gcctggatcc agatcaatgt ctgccatgaa tttggcatcg tggaattgtt 420  
 gtcgtacctt ttgggcatac tcatcacagg ttgggtccac tggaactacc attacctggc 480  
 gaggggacag ccaaaagggc catttgcccc catagttttc tgtgaggata gcaatcattc 540  
 tttccactga tccaagatg gntcgatgaa caatcactgg ccttttctta tcatcnccat 600  
 catggcttac ataagtnaga ataaatctga tgggcaactg gganatccan aacctcgggg 660  
 ccgnacccc cncctaaggg gccnaattnc agncnc 696

<210> 306  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 377, 401, 405, 412, 413, 419, 426

<223> n = A,T,C or G

<400> 306

```
ctggaggatg catttctgac cccatcccag acacgtgaaa gcagaagaca tgatgcatct 60
ataataatga aagcacaatc taaagagtat tatcacaccg tgaacagctt cttcctgacc 120
cagagcaa attaagagaa agacaatata ttacaaaaca agatttaata atgctcacia 180
gaatagagtt tgcccccaaa tggaaaatta cacattattt tgtttcaaaa agttataaat 240
ttagtgcttg aaaaatccag caggtaagta gaaggactaa cagggctctgt ttctggaact 300
gtccgccagc aaatgagcat gctctgtcct ggaagccatt tttctttttc tttttttttt 360
tttttttttt ttttttnaaa aaaaaaattt tttttttttt ncccnggggg gnnaaaaang 420
gggaantttt 430
```

<210> 307

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 535, 552, 558, 607, 624, 629, 638, 668, 679, 680, 683, 691

<223> n = A,T,C or G

<400> 307

```
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaagggtggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatgttcatt acacttaaga atactggcct gaattttatt agcttcatta taaatcactg 480
agctgatatt tactcttctt ttttaagttt ctaagtacgt ctgtagcatg atggnataga 540
ttttcttggt tnagtgcntt gggacagatt tatattatgt caattgatca ggtaaaaaat 600
tttcagngtg tagttggcag gatnttttnc caaaattnc atgcatttat ggggggtcttg 660
ggggggcngg gggaacatnn ggnaaaggtt naa 693
```

<210> 308

<211> 295

<212> DNA

<213> Homo sapiens

<400> 308

```
ctgagtatgt cccagagaag gtgaagaaag cggaaaagaa attagaagag aatccatattg 60
accttgatgc ttggagcatt ctcatctgag aggcacagaa tcaacctata gacaaagcac 120
ggaagactta tgaacgcctt gttgccaggt tccccagttc tggcagattc tggaaactgt 180
acattgaagc agaggttact attttatatt attttttctt atatcagtat tgcagcattc 240
actgtagtga tagaaaacaa gtttaggaaca tagccaatta ggacaaggag gattt 295
```

<210> 309

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 21, 29, 31  
 <223> n = A,T,C or G

<400> 309  
 gcaggtaaaa tgttcatgtc naaaattant naactatagg aatagctcta tgagaaca 58

<210> 310  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 310  
 nctgcaagcc attcgaataa ttcaagagag aaatggtgta ttacctgact gcttaaccga 60  
 tggctctgat gtggtcagtg accttgaaca cgaagagatg aaaatcctga gggaggttct 120  
 tagaaaatca aaagagggaat atgaccagga agaagaaagg aagaggaaaa aacagttatc 180  
 agaggctaaa acagaagagc ccacagtgca ttccagtga gctgcaataa tgaataattc 240  
 ccaaggggat ggtgaacatt ttgcacaccc accctcagaa gttaaaatgc attttgctaa 300  
 tcagtcaata gaaccttttg gaagaaaagt ggaaagggtc gaaacttcct ccctcccaca 360  
 aaaagg 366

<210> 311  
 <211> 635  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2, 452, 562, 565, 566, 576, 579, 597, 607, 627, 629  
 <223> n = A,T,C or G

<400> 311  
 nnaaaaaactg actaggtcaa aaatagttac gctgagcagg tgacctattc agactttgcc 60  
 aaactcctcc aagttcaata taaattgacg ttttcagagt acaaagtcaa ttttacggaa 120  
 acgctgttcc tccttttcca tggagccaat ctgggtaatt ttttcattaa aattcttctt 180  
 ctgcctgttt gctgcggaac tctttgagct gctgtagccg ctcgatagtt tcagaaatgg 240  
 tgcgttcccc gtggacctta ttgtctcttg tgcggatatt aacagtgcc a ctgattttct 300  
 ctttttcacc aacaactaaa atgaagttat actgtgctaa ctgtgcattt cgaatctttt 360  
 tattcaatgt acagcctgga tccagatcaa tgtctgccat gaatttggca tcgtggaatt 420  
 gttgtcgtac cttttgggca tattcatcac angttggtcc cactgggaac taccattacc 480  
 tggcgagggg acagccaaaa gggccatttg ccccatagat tttctgtgag gatagcaatc 540  
 attctttccc tgatcccacg anggnntcga tgaacnatna ctggcccttt tcttatnata 600  
 cccatcntgg ctttacataa agtaaanant aaatc 635

<210> 312  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 361, 392, 420, 426  
 <223> n = A,T,C or G

<400> 312  
 aaaaatatat aatgttttat tgtcaaaaat agacaaaactt taatttcctt taacaggaat 60  
 attaatttaa cagccttcca taagccatca ccattttgta agcataacag gcaagagagt 120  
 caaagataac tgttagtggg aaaaggacaa cagttctaca tccatgcca agaagccttg 180  
 cccagtcagt ggtgacaact ccaggacagc ggcagaaaca cagtgaacct ttggagctta 240  
 acaatagcca tgcaaaacaa catagattta tcttggccca attctataaa gattggcttt 300  
 gtagtatctt tccaagcatt tgaagagttt agtttggtag aacactgcta atttgaccag 360  
 ngacattttt aggtcactta tagtatcagt anccagggat cccccctg gttttttan 420  
 gggtanccac ccccggggat ggaaaa 446

<210> 313  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2, 189, 207, 243, 253, 256, 261  
 <223> n = A,T,C or G

<400> 313  
 nnctgtgatg ggcttctctg gctttgggtc caccaagaag agttactgag gctttctgtg 60  
 cttggcctga ctttggccta tgctggacct aactttgcgt gtgtgtgtgt gtagtagggg 120  
 gtcatttctt tttgggtaat gggaaagtgc ttaagagtgt caatggggag ggatagaggg 180  
 tgggggctna tggtttccct ctacttnggg agagggcaca gattgcagag gtaatgctgt 240  
 ggnatattgc ttntgnctca ntgtatcact ggagtcacag gaccctgccc 290

<210> 314  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2, 275, 277, 403, 409, 412, 439, 440, 469, 475  
 <223> n = A,T,C or G

<400> 314  
 nngttttaca aggacaccta caacaagctg aaaaccaagg atgagcccca gcgggaaacg 60  
 ctgaaagcca tccactatgc gttgaactgc tgtggtttgg ctgggggcgt ggaacagttt 120  
 atctcagaca tctgccccaa gaaggacgta ctcgaaacct tcaccgtgaa gtccctgtcct 180  
 gatgccatca aagaggtctt cgacaataaa ttccacatca tcggcgagcagg gggcatcggc 240  
 attgccgttg tcatgatatt tggcatgatc ttcantntga tcttgtgctg tgctatccgc 300  
 aggaaccgcg agatgggtcta gagtcagctt acatccctga gcaggaaagt ttacccatga 360  
 agattggttg gattttttgt ttgtttgttt tgttttgttt gtngtttgnt gntgggttatt 420  
 ttgccactaa ttttagtann cattctgctt tgctagataa aagctgaant gaccnagggtg 480  
 t 481

<210> 315



<211> 646  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568,  
 576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639  
 <223> n = A,T,C or G

<400> 315  
 ccttattgaa gatgaatgga tcaccattga taaatttacc agattcactg atgttccttt 60  
 agctgcggga ttccagtggg accttttctca aactcaactt agtaaactaa aaccaggtga 120  
 ctggtctcag caagacatag gtactaattt gggtgaagca gataaccaag cagagtggac 180  
 cgatgttcag aagaagatta tcccatggaa cagtcgtgtt tccgacttag acctggagct 240  
 cctgtttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300  
 ctgcgtcatc gacaaaccga ccaatttagg aggactgtgc aggacctgtg aggtatttgg 360  
 ggcttcagtg ctcgttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420  
 cagtgtctnt gcnaaacagn ggcttntctt agtggaggta aaaccacctc anctaattga 480  
 ttatctgcan cnaagaaaa cagaagggtg taccctcctt tgggaattgga acaaactgcc 540  
 aaangtttag acctaaccca atattgcntt cctganaaat tntntgctct tgnccgggaaa 600  
 tgaacntnng ggaattgccg caatgngacc caccagnnng ggccct 646

<210> 316  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 10, 20  
 <223> n = A,T,C or G

<400> 316  
 ctncaagggn cctggtttgn atctaagcaa acaccagat ggggttctct ggtctcagca 60  
 aggcttttcc tgttgagggt cacagtaaag agaaacccaa aaatctcatc ttgggtgttt 120  
 tcagggtttg ttttgagttt tgctgaatag ggagcgcaag acgccctgag cctccctctc 180  
 actgggtggtg ataagaggag ccgtctggtg tgctcagggtc acgaaccogt tacatttcag 240  
 gacgatcctt tttccttcag cagcatttct tactggctgt ggctggaatc tgccttttat 300  
 cacagacctg ccc 313

<210> 317  
 <211> 528  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 504, 509, 515, 520  
 <223> n = A,T,C or G

<400> 317  
 ccacgtccat cggagtgtcc ttctcggtgg gcgacggggg gcctgaggct gagaaggacg 60  
 caggggagcc cgagaacacc tatattctgc ggcctgtttt ccagcagagg ttcaggccct 120

```

ctgtgggttaa agactgtatc catgctgtgc tcaaggagga actggcaaact gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tgggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgctgtt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agttttattct gcgtttagtag agccatttgg ctgtttctac 420
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctcaactttt 480
taatatttgt taaatatctt gacnaaatna agatnttagn tagttccg 528

```

```

<210> 318
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 216
<223> n = A,T,C or G

```

```

<400> 318
nnaaataaat tcacacaaag aaagagaaat agaaagcgac ggtagtgacc agcaagagga 60
ataataatta cattcatctt aatgtgtgtg tgccagttct gtttacatta acattggaaa 120
actccagacc tggaatccag aacctcaaact ctgtgagtgg aatgtcttga gatgggcacg 180
tggaagtcaa agggttttct tttttttttt ttcccntttt aaaa 224

```

```

<210> 319
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 273, 276, 278, 302, 309, 319, 335, 338, 364, 372, 375,
387
<223> n = A,T,C or G

```

```

<400> 319
aaataatata gaacaattaa agctaaccac gtgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
acttccaaca tactagcggg caaactaccg aataaaacttg atgcagacca gtattcccaa 180
gttgcaatag tatccaatga ctttgcgtgaa atgcataaaa tggacaagcc taggtatctg 240
cgcaaccagc aggttttttt ttttgnccaa ggntananaa tgccctggtaa aagcttgacc 300
aaaaaactnt caaaagtanc tgttctgcct tactnttntt aaaatactta aaatttgaat 360
aaanaaccta cnggntatgt aacattntaa ggt 393

```

```

<210> 320
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

```

```

<400> 320
naaaaaattat tatcaaacat gcacatgctt gtacacacac acacacacac acacaaacag 60
gggcatttgt aaagggtgtcc ctggaatgta agatttataa tgtttaaggc aagggtgaagg 120
cattgccaaag tgtgtgtcgc tcataagact agtgtatatt cactgaaagt taacctgatg 180
atttgttatt gtttgaacca tatgctgatt tgcttctggt ttctgttttag tgtgttctct 240
ctgataaggg gctgaaagat tctgcacac acatcctctg agacctacca tgtcgcacac 300
tttgttaatg acaaacttca ctctacacta tacagtacct tgttgatata ttcagtaaag 360
tcttattttt                                     369

```

```

<210> 321
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394, 481, 488, 499, 507, 518, 524, 533, 550, 557, 560, 564,
569, 574, 575, 586, 587, 604, 605, 607
<223> n = A,T,C or G

```

```

<400> 321
aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaattc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgata ttaagaaagc 360
tcaggggata gcaccagaag ataaagctat ccangcagaa ttgctgaaag tcaacaaaag 420
ataacgccag aaagataaag agaaggcagt atatgcaaaa atgttgctta gaaaggattc 480
ngttgccnta tttgggtgnt tgattgnatt aaattgcnat taanaaaatg gtnaaagggg 540
tttttgggcn tgggggnaan tatngaaanc ccnnnaaaag ggggggnntt cccctttttt 600
tggnnncnacc cccctttt                                     618

```

```

<210> 322
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 408, 415, 422, 438, 444, 449
<223> n = A,T,C or G

```

```

<400> 322
aaaacaaaga tctatcaccc aaacatcgac gaaaaggggc aggtctgtct gccagtaatt 60
agtgccgaaa actggaagcc agcaaccaa accgaccaag taatccagtc cctcatagca 120
ctggtgaatg acccccagcc tgagcacccg cttcgggctg acctagctga agaatactct 180
aaggaccgta aaaaattctg taagaatgct gaagagttaa caaagaaata tggggaaaaag 240
cgacctgtgg actaaaatct gccacgattg gttccagcaa gtgtgagcag agaccccgct 300
cagtgcattc agacaccccg caaagcagga ctctgtggaa attgacacgt gccaccgcct 360
ggcggttcgct tgtggagtac taacttttct acagtttttc tttattcnaa aaagnggcct 420
tnggggtaac ccctggtnaa aagnaaaang ggatttttaa aaaaaatttt ttaaaggaaa 480
ttgtttttcc ccccg                                     495

```

<210> 323  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 323  
 aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60  
 gggaggtgga tgagtatgca tggggggg 88

<210> 324  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 324  
 aaattaccca gtctcaggta tgtcttttatt agcagcatga gaatggacta ataccccagg 60  
 acaaggccaa gatgggagtt catgctcctg accagagggga aggtggagat gagcagagag 120  
 cactctcctc caaaagagtt gatttctaaa tgaaaggaaa aagcaaacac aaataagaaa 180  
 agatttgcag aaatcaatta gaataaaaaat gtcaacagac aataacagtg ttgcatagct 240  
 tgaacatttt tatattgatt aaattgtttt tcagtagaat cactgacaga acaggtcaga 300  
 atgaaaaaca ttccaaatat acagaaaaaa gattactgct cagttaaggt ccttttccaa 360  
 ataacttcac acaaatcctt tggttgctcc aaacagaatg agagctatga gaatggtggc 420  
 ccagcccggc catcagactc ccaagcattt ggtccccggt ctgaggtcac agaatctttg 480  
 cccctttacc gagactgctc tcag 504

<210> 325  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 42, 45, 84, 125, 126, 144, 148  
 <223> n = A,T,C or G

<400> 325  
 atagggaaat caatgcataa ctatataatt tgaagattat anaanaaggg aaatagcaaa 60  
 tggacacaaa ttacaaatgt gtgntcctgg gacgaacaca tctttgaagg tcatgagttt 120  
 gttannttaa catcatatat ttgnaatntt gaaacctgga 160

<210> 326  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 326  
 cctgccagtc tctggacggc tacggcgtag ggtggcaggc acaatctccg ggggcagatg 60  
 aaggtaatca cggagatact ggataccctc attggtaagg taccagtaga aatgtctcca 120  
 ggcaaaactg 129

<210> 327  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 141, 155, 220, 231, 232, 233, 241, 279, 281, 287, 291, 297,  
 313, 318, 323, 328, 329, 338, 341, 346, 351, 354  
 <223> n = A,T,C or G

<400> 327  
 ccaggactcg gttcagaggg tcccgcgatgt tgaccgtgtg gagctgagag gctgagaggg 60  
 agctgctcat ggatcgggtct gtggggctcg aaaggatgtt ggcacgtcc tcattagagc 120  
 tcagcagtcg catcaacttc naaggctgca catcntccag ggggaagagg ctgatagacc 180  
 aaatttttca ttttctttct tgctaggact gtatgcaaan catgaaacta nnnaatgcgc 240  
 naaaatgaat ctctcttctt atatattaat actaacctnt ntctttnttt nctttanggt 300  
 gatctttact ttacacgnca tcncaaannc ccttatanca nccttntcca ntgnatggac 360  
 cact 364

<210> 328  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<400> 328  
 tgttgcctgg gctggacgtg gttttgtctg ctgcgcccgc tcttcgcgct ctcgtttcat 60  
 tttctgcagc gcgccagcag gatggcccac aagcagatct actactcgga caagtacttc 120  
 gacgaacact acgagtaccg gcatgttatg ttaccagag aactttccaa acaagtacct 180  
 aaaactcatc tgatgtctga agaggagtgg aggagacttg gtgtccaaca gagtctaggc 240  
 tgggttcatt acatgattca tgagccagaa ccacatattc ttctctttag acgacctctt 300  
 ccaaaagatc aacaaaaatg aagtttatct ggggatcgtc aaatcttttt caaatttaat 360  
 gtatatgtgt atataaggta gtattcagtg aatacttgag aaatgtacaa atctttcatc 420  
 catacctgtg catgagctgt attcttcaca gcaacagagc tcagttaaata gcaactgcaa 480  
 gtaggttact gtaagatgtt taagataaaa gttcttccag tcagtttttc tcttaagtgc 540  
 ctgtttgagt ttactgaaac agtttacttt tgttcaataa aagttttgta tgttggcatt 600  
 t 601

<210> 329  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<400> 329  
 ccacccagta ctttgctgac agggacatgt tctgtgctgg ccgagtacct gaggaggatc 60  
 tgaagaggac aatgatggcc tgtggaggct caatccagac cagtgtgaat gctctgtcag 120  
 cagatgtgct gggtcgatgc caggtgtttg aagagaccca gattggaggc gagaggatca 180  
 atttttttac tggctgcccc aaggccaaga catgcacctt cattctcogt ggcggcgccg 240  
 agcagtttat ggaggagaca gagcgggtccc tgcattgatgc catcatgatc gtcaggaggg 300  
 ccatcaagaa tgattcagtg gtggctggtg gcggggccat tgagatggaa cttctccaag 360  
 tacctgcggg gattactcaa ggactattcc aggaaaacaa gcagacctcg ggccg 415

<210> 330  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 330

```

ggaccttctg cggccgatga gaagaagaag gggcccaaag tcaccgtcaa ggtgtatatt 60
gacctacgaa ttggagatga agatgtaggc cgggtgatct ttggtctctt cggaaagact 120
gttccaaaaa cagtggataa ttttgtggcc ttagctacag gagagaaagg atttggctac 180
aaaaacagca aattccatcg tgtaatcaag gacttcatga tccagggcgg agacttcacc 240
agggggagatg gcacaggagg aaagagcatc tacggtgagc gcttccccga tgagaacttc 300
aaactgaagc actacgggcc tggctgggtg agcatgg 337

```

```

<210> 331
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 341, 343
<223> n = A,T,C or G

```

```

<400> 331
naaataatcc aggcaggaga agagaggagg gcacacttgg aactcccctc cccacaatac 60
gtgattatatt acatttttagt aattggacaa tcccggtcca ggaggagggtt gcaagaatct 120
gcaaaagttg gagggagcgc cccaggagaa caaacagcaa gccttatattc ccctagccca 180
tccccaaaaa aaccatccat cccatcctag tgtctggtgg tgtcgggtgg tgtccatctt 240
ccatttccttc ccaaattatg gaagtaaggt tcttctcacc agaataagag cacttgggat 300
aacagagtag ggtcccctca cccaaaaaaa aaaaaaaaaa ncnttggggg aa 352

```

```

<210> 332
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

```

```

<400> 332
nngtgacatt ggcccctaga ccctctctat agccatgaga ctcccttgtgg cctcaagaaa 60
tttagacgcc cagcacagca ctacacagca tctccagggtg atgcccagg cagagggtg 120
cagaaaataa acctccagat tccaccaaca cgggtccatt ctccctggtg atggcagagg 180
ggcttctttt agctagtttg atcttttggg agtctgtctt tccttagccg tctgagttag 240
ctgtgtatga acaagtccca ggagttccaa gagtctagag tggtttttgc agcatgggtt 300
gagtgtacaa agcctactgt gcgtgagatc ctctccttcc gtttctgaaa tctcttactc 360
aggtaagg 368

```

```

<210> 333
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 68, 118, 124, 127
<223> n = A,T,C or G

```

<400> 333

```
ggggcgggaa gtggcaggaa atggcgaaag cctcaggaaat gtttccacca gggaaggntg 60
ggcaaacngg gccaggagga atgccagagac aagaactctg gttaggggga ggggaatnac 120
acancanaac ca 132
```

<210> 334

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 135, 371, 384, 393, 394, 400, 403

<223> n = A,T,C or G

<400> 334

```
ctggatgagg aggagaggat gagaatggca gaaggaggag ttactagtga agattatcgc 60
acgttttttac agcagccttc tggaaatatg gatgacagtg gttttttctc tattcagggtt 120
ataagcaatg ccttnaaagt ttgggggttta gaactaatcc tgttcaacag tccagagtat 180
cagaggctca ggatcgatcc tataaatgaa ggatcattta tatgcaatta taaggaaacac 240
tggttttacag ttagaaaatt aggaaaacag cggtttaact tgaattctct cttgacgggt 300
ccagaattaa tatcagatac atatcttgca cttttcttgg ctcaattaca acaggaaggc 360
tattctatat ntgtcggttaa gggngatctg ccnnattgcn aanctgacca actcctgc 418
```

<210> 335

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 414, 445, 492, 527, 566, 580, 588, 589, 597, 599, 605, 607, 615

<223> n = A,T,C or G

<400> 335

```
aaaatatctt ctttctccaa agagtccatt gcgcatttct tagagtagag atggggacac 60
attccaggca aggtcacaat ggcattttgt tgccctcaat gctgattttc actgcgtgtg 120
cagatctgct ttttttcctt atatctgtga acttttctcat ctgtttatcc agtcgactga 180
tacccttctt ggaggtcgcc tgaaactaag agtaagggaa aaattaaaga gcaaactact 240
gaaatacgtg agtctagtta tgtctttcat cttcttataa ctgagtttagc aaccagaaga 300
gcttctagct ctggaataac cagaatgtgt gttgatgacc tcaagaacaa caaagcaagt 360
atagatgggtg ttagaaacgc gtattaaact ctctcagtga agaataattc tgtngtctgt 420
gctttatattt taattttgct gcagnccacg gaggtctcct agatgggaga aagagggggg 480
gaaactgaga cnatgatcct cccaattccc tcatgggtcca ttacgtntta actgcatgcc 540
gtttcccttt tcgaagaccc aaatngggaa ccttagccgn tttgacanng caccttnca 600
aacngnggc ttggncataa aaaaaaagaa atgaaccctt aaaa 644
```

<210> 336

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 1, 2, 78, 84, 146, 183, 190, 203, 218, 273, 275, 279, 286,  
 291, 307, 314, 319, 324  
 <223> n = A,T,C or G

<400> 336  
 nncctggggg ggatggtata tggccctttc cccaccaggc gctaagggga acacccccctt 60  
 ccccagggtct tttatttntt taantttatt ttgcacaaat gactctttta tatttaattc 120  
 gatttcattg cctcccttct taaagncaac aggctcagtt tacaacctg tgagctactg 180  
 ttngctgctn cctccttcc cantgaaagg tacaagnaa taagcatcat gcacccctcc 240  
 cttacccctc caacacccct ctgcctctgg ctngattnc tcaaancaca natcctctct 300  
 taccocntcc ccangtttna aacncatata ctcatittcaa acg 343

<210> 337  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 205, 211, 215, 229, 232, 236, 240, 245, 248, 279, 312, 358,  
 359, 363, 371, 372  
 <223> n = A,T,C or G

<400> 337  
 ctgcagctcc cacctccagc ctgcagtatc ctgctgacaa acttctgtg taccttacca 60  
 gcaggacacc agattggcac agtcagtccc ttgttccaaa aattggaaaa tgaccagatt 120  
 gaaagttaa ggcagcgctt tggagggggc cagggtgagaa agctaaaggc tgtgcctcg 180  
 ctccacaaca gccacagcat cactnaccta ntttncctaa acagatctna cncatnactn 240  
 tttcnatntt ttggacctgc cgcttctca cttacagtnt ttctttctcg tcttaactag 300  
 aagagacctt cnaactaaag gtaacctggg taccatatga aaaggctcaa tgaaatttna 360  
 cntgacgga nnatatt 377

<210> 338  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2  
 <223> n = A,T,C or G

<400> 338  
 nnccaagagg agcaattttc gtgccatcag caaaaagctg aatttgatcc cacgtgtgga 60  
 cggcgagtat gatctgaaag tgccccgaga catggcttac gtcttcagtg gtgcttatgt 120  
 gccctgagc tgccgaatca ttgagcagggt gctagagcgg cgaagctggc agggccttga 180  
 tgaggtggta cggctgctca actgcagtga ctttgcattc acagatatga ctaaggaaga 240  
 caaggcttcc agtgagtccc tgcgcctcat cttggtggtg ttcttgggtg gttgtacatt 300  
 ctctgagatc tcagccctcc ggttccctggg cagagagaaa ggctacagggt tcattttcct 360  
 gacgacagca gtcacaaaca gcgctcgct tatggaggcc atgagtgagg tgaaagcctg 420  
 atgtttttcc cggccagtgt tgacatcttc cctgaacaca ttctcagtg agatgcaggc 480  
 atctggcacc cag 493



<210> 339  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 339  
 ctggatgaag ttgtgtcaga gaaccagagg cttaaagtcc ctagtccaaa gcgaagagtt 60  
 gtctgtgtga tgatagtatt ggcatttata atactgaact atggacctat gagcatgttg 120  
 gaacaggatt ccaggagaat gaaccctagt gtgagccctg caaatcaaag gaggcacctt 180  
 ctaggatttt ctgctaaaga ggcacaggac acatcagatg gtattatcca gaaaaacagc 240  
 tacagatatg atcattctgt ttcaaatgac aaagccctga tgggtgctaac tgaagaacca 300  
 ttgctttaca ttccctccacc tccttgtcag cccctaatta acacaacaga gtctctcagg 360  
 ttaaatacatg aacttcgagg atgggttcat agacatgaag tagaaaggac caagtcaaga 420  
 agaatgacaa ataatacaaa gaaaaccctg attcttcagg gtgctctgga acagggctca 480  
 aattctcag 489

<210> 340  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 267, 269, 271  
 <223> n = A,T,C or G

<400> 340  
 ctgaatggtg ctgacggtgg agctcacaga gtcctgcat tctcaagggt tggatacatt 60  
 ctgggaaggg tgaactggtg taagagtcac ataatacgtg gaggggtgta ataatacaaaa 120  
 aaacatagca aaacaccttc tgtgcctgag ccagggttga gggagccgag aagaaaagtc 180  
 acagctctgc cacacggggc agcagtgtc atgtctgctg gctgatcctc cccaaagcct 240  
 ctctgccac cttttttttt ttttttnanc naaacaaaag ggcaaa 286

<210> 341  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 640  
 <223> n = A,T,C or G

<400> 341  
 aattgtcggg gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60  
 ggaaattggt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120  
 agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180  
 gccttgggtc aagggatgga aagtcacccg taaggatggc aatgccagtg gaaccacgct 240  
 gcttgaggct ctggactgca tcctaccacc aactcgtcca actgacaagc ccttgcgctt 300  
 gcctctccag gatgtctaca aaattggtgg tatttggtact gttcctgttg gccgagtgga 360  
 gactggtggt ctcaaaccgg gtatggtggc cacctttgct ccagtcaacg ttacaacgga 420  
 agtaaaatct gtcgaaatgc accatgaagc tttgagtga gctcttcctg gggacaatgt 480  
 gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540  
 cagcaaaaat gaccaccaa tggaagcaga cctgcccggg cggccgctcg aagggcgaat 600

tccagcacac tggcggcccg tactagtgga tccgagctcn

640

<210> 342

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 109, 131, 308, 584, 622, 644

<223> n = A,T,C or G

<400> 342

```
ccaattaaaa tatatagcaa taacagtatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagtt actttctang ctcagttatt 120
ctaaacttgg ntaaaatatg caacttgaat tctaattgcat ccttctcatt tgaactaaag 180
gattattctg cggacacaaa tttgttcccta aaatttcaat caaatgggggt ctctgcatat 240
cccacaactg cttcctaattg acttcctacc ctccagttac acataatcat aatgtctaaa 300
caacacantt taggattcca aaattataag gccattcaag tttcttcaat ctctaacatg 360
caggatctct atcaaaatgg gagattaatt tttgatatga atatcagatg aaagataatg 420
aaatttgtat aagatcagca ctaatacata taataagatc aacattttta cagaattatt 480
tcttttagatt tagaaagaat acacatttctg aacacttgaa agaggggtac acatggtaag 540
ttatcatctg ccagtatcaa aaatgatgtg ttgaaaaccc ctgngggaaa tgagttaatg 600
aagtcacaca ggacctgccc cnggggggggc ccttcgaaaa gggngaaatc t 651
```

<210> 343

<211> 487

<212> DNA

<213> Homo sapiens

<400> 343

```
cctttccatt tttatcttgt atttttccac tcttttggca gacctgcatg ggcaaggagc 60
taacccttca cgtctcagca agcaaccccg ctatgctact gtaccagaag tttggattca 120
agactgaaga atatgtatta gatttctatg ataaatatta cccattggag agtacagagt 180
gtaaacacgc attctttctg aggctccggc gctgatgcga atacagctca cagagaaacg 240
catgtgctat tggagaacag gtctttgtgg agacttaaa gcaagtattg atttcacagg 300
gagctctaatt ctctgtgatt acatggtcct tcaaaactcc aaccaaagtg agaaaagcgg 360
caggcagtga aatgagcagt gagcagccct ttagcaaaat cgccctccag tccttcctgg 420
agatgccttc agccagcatc ccagactcca cagttattta tgaatgatgt cgtgattctc 480
cctccac 487
```

<210> 344

<211> 395

<212> DNA

<213> Homo sapiens

<400> 344

```
gcctgaagtc acatcggtct catcattttc attcaaaagc cctgcagctt ccagtttttg 60
atcacctgga ttttcaggac ttccagcttc cttggcaaca ggtcctgtca gagctccagt 120
ggccccagcc tttggagggt gcagttctgt ggctggtttt ggtagtccgg gctcacattc 180
tcacactgct ttttctaagc catccagtga cacttttggg aatagcagca tatccacttc 240
tctgtcagcc tcaagcagca tcattgcaac agataatgtg ttattcacac ccagagataa 300
actaacagta gaagaactgg aacaatttca atccaagaaa tttactctgg gaaaaattcc 360
attaaagcct ccacctctgg aacttctaaa tgttt 395
```

<210> 345  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 160, 162, 438, 498, 500, 519, 530, 539, 546, 564  
 <223> n = A,T,C or G

<400> 345  
 aaagatgttt tcttgaatta tttagaacat ggtaagcctg gtatTTTTTT atcaaacaaa 60  
 atatttatga aatgggtttt ctcttaattc tggattcatc atggctttct aataccaatt 120  
 gtaatatTTa caatattcac caaaacttag aattttgcan angctggaat tctgccagtg 180  
 tttctttgct aagccttgca tgcaaaattt gaaattTTa cattggcacc caaaacctac 240  
 atggaatgta tgtctggagt atttcaaact ttacattgaa acataatttc cttggaaaac 300  
 aaaccataag cctgaggagg tttttatcaa ctggaatgct ttatattagg tttgtttttc 360  
 actgtacatt cctcatttta cattcattta acctgccaat tatttaattt ttttattgta 420  
 aagtagtttt tagcatnngc ttttattttt ttactttgat gcctttcaaa attgggcatg 480  
 tctttacctg cccgggcngn cgctcgaaag ggcgaattnc cagcacactn gggggccgnt 540  
 actagnggga tcccaagctc gggncccaaa c 571

<210> 346  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 15, 21  
 <223> n = A,T,C or G

<400> 346  
 ggcggccngg caggncatt nacagtatgg tatttctgaa tgacaatctt atccacggag 60  
 tcatggtcgt caaagggttac aaaggcaaaag ccccttttct tgccactgcc tcggtcagtc 120  
 atgatttcaa tcaattcaat tttccatac tgttcaaaat aatctcttag gtgatgttct 180  
 tcagtgtctt ctttaatgcc accaacaat atctttttca cagttaagtg ggcacctggg 240  
 ctttgagaat cttctctgga gacagctctc tttggttcca caactcttcc atccaccttg 300  
 tgtggccttg cattcatagc tgcattccacc tctccacag tggcatatgt gacaaacca 360  
 aagcccctgg agcgttggg gtttggtatc ctcatocca cacagtccgt gagcgttccc 420  
 cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa cctccaatg 480  
 aagagcttcc tcag 494

<210> 347  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 347  
 aaatatcaca agtaggtctt aagtgtcacc tggcatcttc tttctgtagc caggtaactc 60  
 ttagatctta ttcacagcc tgcgaacag ttccttttcc agagacatag ataccatcca 120  
 aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180  
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240

```

ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atattttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttcttt c 501

```

```

<210> 348
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 348
ctgtagccga gagtcaccag gtccccacag ggtgtcagag aggggtgtgga gctgcttagc 60
actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcggtgt 120
agtcagagac ccctcatatt ggaggttagcg gctgaagtca gagggcagga gtgtagatat 180
gtccagtcct gggacctgag tctctgagcc ttctctcagcg atttcttcca agcgagacag 240
caactgctca taggcactgt tttcttccgg gccctcctcc agaaaggcgg ccaacacggc 300
cagg 304

```

```

<210> 349
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 458, 494, 500
<223> n = A,T,C or G

```

```

<400> 349
gctatgcata tgaacaagtg ggtctctccc ttgagcacca ggagtgggtg ccagccggcc 60
ccgaggattc ccagcaccoc acctatggtc ttgccagcat aggcttgcta gttccttctt 120
ggtcagaggt agctgcagag gggggaggcc aagggttttg tctaagctgt gccctgccac 180
ctggcaggag gcccactcac tgcccaagtc atggcaacag gctggagcag ccaggagat 240
gggcctaaaa tgttctggat cccttgggtc ctagtgttat gttccagtct gccacctgt 300
gctcaggatg cagccctggg atccagcacc catggaagct tctgctggga tgggtgtcac 360
tatgggtttt gaaccagtgt ggtatggtc ttgggagctc tgctctgagc ttgccacact 420
gctgagagca ccacttgctc ctgaccaggg tctcagtnng tcctgacccc caatgtgggc 480
aggggcttgg gcangaggnn ggggggtctgc t 511

```

```

<210> 350
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 350
ctgtaacaag tgaggggtgc aactgaaggt acagcatttg cctgcaggcc aagcgggtctc 60
tggttcaaat ccatgtgcct cccacccccc ttcagttttc tacttattga acaaaaagcct 120
tttcacctcg ggtctattat actggaatct tcctgcaagg agagaagaga ggatagacag 180
catagagctt tgccaggaag cctctctagt ttcttgtagg cccacagtga cttctccagg 240
cgactctgtc ccctcattaa cccttatact cagagccttg aaatgggccc aattgtccca 300
tagaactgat gtttatgggt tttcttgaat aaacctagaa attgaccctc tcagtcttga 360
aacccaagga gaaatttaca tttatgtcat ctgaattcct ttctcaggaa accagccagc 420
aatcctccca gacggtatca agaaactgaa atttaccaga tccccacatc tggaaagtga 480

```

gaagccagac ccctcaccca tcatgattcc ccaggtagacc acctgctgcc tgttgg 536

<210> 351  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 214, 216, 312, 345, 351, 358  
 <223> n = A,T,C or G

<400> 351  
 ncctttatac acatatgtct acacataggg atttggatga tctcgggatc ccacatcctc 60  
 gctgtccctt gtccccccgc aacatccccc accaatacct ttctgaagtt ttctagtccc 120  
 tcctttttgt ttgtgtctct taaagcccag ccccatgcct gactttgggt cccagtgage 180  
 attgtacatt tgtggatatt aaatctttgg caangncatt tacctgggct ggaatagggc 240  
 tcttggctga ttctttttcc taaacaccca cccaatggga gaggtgata ctcaacatgc 300  
 aaaccttgtg tnttatttct ccaggcgaag ggatgttgga agacnttctg naaggggngg 360  
 ggtg 364

<210> 352  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 352  
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60  
 ttagatctta ttcatcagcc tgctgaacag ttcttttttc agagacatag ataccatcca 120  
 aaaatttctt gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180  
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240  
 ctgaacaagc aacacctggc ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300  
 ttccgatttc aacaagagac ccatttctct ggataacaac gttgatgggg aagtgagcat 360  
 acacagacct catcttgtaa cgggaagccca gtgtaa 396

<210> 353  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 353  
 aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60  
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120  
 ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgcgtct 180  
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg 230

<210> 354  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1

<223> n = A,T,C or G

<400> 354

```
naaagcaaatt acaaaacaga acagaggatt caaaccgcaa gtatgggaga tttaggccct 60
gcagaggcag accatttcctt agtatctcac aaagcagagt aatactggag gcagagtagg 120
gggtggttgg agagcagtta gtacaaagag gcagaacagt gtctggttta cttggcatac 180
acagaatctg cactgccggt tccagaactg caaagttggt gaactacagg agatgtgggt 240
atttagactc caaagtttat actgagctca gtgcctggga ccgctccag 289
```

<210> 355

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 538, 595, 598, 602, 614, 635, 645

<223> n = A,T,C or G

<400> 355

```
naaacatgga taaaagtatt acatgggtcc actgttaaaa cagacaacat gtggcaaatt 60
aattctggta tcatgttttc caacaaagct tagaaaataa aggtgttgag gtggcttttg 120
actaagttta atagtcattt cctctgctga caacttcttt acatgttgga cgcaacagga 180
tggtatgttc aaattgcgct gtatatgata ctttaatgtc acataatggt ggatatggat 240
ctacaatgcc caagtcacac agattcttca gagccatcaa gtattttact tctcccaagc 300
gatccagcca tctgcggcag aaggcaaggg ttccaaagtt ttcattgatg acatttaaca 360
agtgttttgt tcttggaagc cttattggca catgtccaac atcaaaattt ttcattgaat 420
gtgaacattc catatcatca tgaacaacac cttttcctgt actaccaaatt gtttcaattg 480
catatacttc tccttcctcc attcttggtg cctcccctcc tttcacaatc ggcactgntt 540
ttccagcatg tattctatat tgcccaattg aatgtccatt tagattacgg gattnggntt 600
cnccttgatat gtcnttccca tctatttcaa cttcntagga ctcctntt 647
```

<210> 356

<211> 331

<212> DNA

<213> Homo sapiens

<400> 356

```
gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggcgg cggaataatag cctttgccat cactgccatt 120
aagggtgttg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactgggtc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatgggtctg g 331
```

<210> 357

<211> 336

<212> DNA

<213> Homo sapiens

<400> 357

```
ggcaggtcca acatgaggaa cagcaagctg aaggacatcc ggaacgcctg gaagcacagc 60
cggatgttct ttggcaaaaa caaggtgatg atgggtggcct tgggtcggag cccatctgat 120
gaatacaaaag acaacctgca ccaggtcagc aaaaggttga ggggtgaggt ggggtctcctg 180
```

```

ttcaccaacc gcacaaagga ggaggtgaat gagtgggttca cgaaatacac agaaatggac 240
tacgcccagag ctggtaacaa agcagctttc actgtgagcc tggatccagg gcccttgag 300
cagttccccc actccatgga gccacagctc aggcag 336

```

```

<210> 358
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

```

```

<400> 358
aaaggtccaa aagcctgcc aaccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgta ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat acccctgaaa aagtgatgcc tcaaggtctt gtcattctct ttgctatgag 240
aatgctttac atgattgagc aagtgcata ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaagggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtggt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcattctct 540
ttggcactta catgaaagtg aaaaaatgaa ggaggagaa tgtaagcctg aaggtctttt 600
ttagaaaggc ttctctcatt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct 668

```

```

<210> 359
<211> 648
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 581, 587, 647
<223> n = A,T,C or G

```

```

<400> 359
caggccgtag gaggaagatg gcggtggagt cgcgcgttac ccaggaggaa attaagaagg 60
agccagagaa accgatcgac cgcgagaaga catgcccact gttgctacgg gtcttcacca 120
ccaataacgg ccgccaccac cgaatggacg agttctcccc gggaaatgta ccgtccagcg 180
agttgcagat ctacacttgg atggatgcaa ctttgaaaga actgacaagc ttagtaaaag 240
aagtctaccc agaagctaga aagaagggca ctacttcaa ttttgcaatc gtttttacag 300
atgttaaaag acctggctat cgagttaagg agattggcag caccatgtct ggcagaaagg 360
ggactgatga ttccatgacc ctgcagtcgc agaagttcca gataggagat tacttggaca 420
tagcaattac ccctccaaat cgggcaccac ctcttcagg gcgcattgaga ccatattaaa 480
ttctattttac tatttgttga atttatttt ccgtcagtta tgtaaaataa acatactctt 540
cttctcccc tgattattgc cattaagcct ttacctgcc nggcggnccg ctcgaaaggg 600
cgaattccag cacacttggc cggccgttac tagtggatcc gagctcnt 648

```

```

<210> 360
<211> 670
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 492, 540, 557, 565, 567, 586, 593, 599, 601, 618, 621, 625, 662

<223> n = A,T,C or G

<400> 360

```
ctgacatttta ttattttgggt ttcatttttcc tttttgcgctc tttatgtttc tttcgacaat 60
ccatacgag gttggttggt ctggcctccc aagagttcct gctcatatta cttcctactc 120
ctctccagaa taagtcagaa ccttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa aggagagaga 240
aaaataggta ttggttggtt taatttcaat atttaagaag aaatatttac attcaaaaca 300
taaatacact atttcttaaa tatatctttt ttcattttccc cctagaatcc aggtgagcga 360
gactcttaaa tatatctgct ttgtattttg tgcatttttg cctgagttaa aacaaccctc 420
cctctaacat tcttctatct gaagctttga taatgaagac ttgtttaagt agaacctcta 480
tctttcctgt gnttggttgc tgatactctc actcccacca ttgctacccc attttgccan 540
tgcctcccat ggggtangca cccangnaa acctgcaaca tcctgntttc ccngaccang 600
nggacttcca cttggcangg ngccnccct tccccctttt ttcttatgcc cccaaaacct 660
tntctttccc
```

<210> 361

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 474

<223> n = A,T,C or G

<400> 361

```
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ctttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttogaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catnagggaa 480
tgtggaaatg acttttgctg aattctcaag ccttaccaaa cacatcagga aatctcactt 540
gggagagaaa acccgatatg atgtag
```

<210> 362

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 553, 560, 603, 604

<223> n = A,T,C or G



&lt;400&gt; 362

```

aaaatacttt atttagccaa atggttttctt gaatccttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaac caacctggga aaaatatcag tggtgagggg 180
tcagtgtttg tatatggagg atggtgcaaa ctgaattatt cccataaagc tgcttggtta 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtagggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca ccctgtggag gaactcgagc ctactccaga tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agaccagaa ggaagcacct tgtaagcagg 480
aaaaataaat ttgtgctgaa ataatggatg taaaatactt ctccctgtcc actattgtca 540
aaacacctgc ccngggcggn cgctcaaggg cgaaattcca gcccactggg cgggcggttac 600
ttnngggatc cc 612

```

&lt;210&gt; 363

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 127, 466, 493, 527, 528, 529, 545, 549, 553, 556, 580, 581, 596, 600

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 363

```

cctgggcttc agtataagct cctatctcag tctggccccg ttcattgcccc agtcttcaca 60
atgtctgtag atgtggatgg cacaacatat gaagcctcag gaccatccaa gaaaacagca 120
aaacttnacg tagcgggtgaa ggtattgcag gcaatgggat atccaacagg ctttgatgca 180
gatattgaat gtatgagttc cgatgaaaaa tcagataatg aaagtaaaaa tgaaacagtg 240
tcttcaaact caagcaataa tactggaaat tctacaactg aaacctccag taccttagag 300
gtaagaactc agggccctat cctcacagca agtggcaaaa accctgtaat ggagctcaat 360
gaaaaaagaa gaggtctcaa gtatgaactc atctcagaga ctggtggaag ccatgacaag 420
cgctttgtaa tggaggtaga agtagatgga cagaaattca gaggcngcag gtccaaataa 480
gaaagtggca aangcgagtg cagcttttagc tgccttggag aaactgnnnt ctggacccca 540
atgcnggcna atnatnagaa aaaagaagat tattccttcn nggcaaaagg gcgttngggn 600
aatacca 607

```

&lt;210&gt; 364

&lt;211&gt; 399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 364

```

ccagctcccc aatcaatctc cagtactcat tgaacttgag ctccgagtcc tgattcacat 60
ccaagctctt catcttctca tcaagagagc ccacatcctt gagcagatgg ggcaactgct 120
gggtaaccag ctctttgaac tcgttgacgc tgaggctatc ctccggccc tctgccttg 180
caaaggtgaa gaagggtggtg accacggtct caatggactc ctctagctct gtcagtgggt 240
ctgctgccat taggaccctg aggccaaagc tgatgtcctc aaggggctag ctgacctttg 300
tcagggtgga cccggcaagg agatggggtg gagtgagctg gagcctcagg gctgaggttt 360
ataagcagcg ggaaggagg agagagctgc ttccaagcc 399

```

&lt;210&gt; 365

&lt;211&gt; 529

&lt;212&gt; DNA

<213> Homo sapiens

<400> 365

```
ccacgtccat cggagtgtcc ttctcgggtg gcgacggggt gcctgaggct gagaagaacg 60
caggggagcc cgagaacacc tatattctgc ggcctgtttt ccagcagagg ttcaggccct 120
ctgtgggtaa agactgtatc catgctgtgc tcaaggagga actggcaaat gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgtgttt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agtttattct gcgttgtagc agcatttggc tgtttctact 420
actgaatgaa tctttgaaaa gctggtaaaa gacatgacca tgaagaaatc tgaacttttt 480
aatattgtta aatatcttga caaaataaag atgttagtag ttcgaaaaa 529
```

<210> 366

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 57, 401, 403, 408, 411, 425, 429, 434, 441

<223> n = A,T,C or G

<400> 366

```
aaagacaaaa aaattctttt atgtacaata tcttgtctag agtctagcaa atatagnacc 60
tttcattgca ggatttctgc ttaatatataac aagcaaaaac aaacaactga aaaaatataa 120
accaaagcaa accaaacccc ccgctcaact acaaattgtca atattgaatg aagcattaaa 180
agacaaacat aaagtaactt cagctttttat ctagcaatgc agaatgaata ctaaaattag 240
tggcaaaaaa acaacaaca aacaacaaac aaaacaaaac aaacaaacaa caaaatccca 300
ccaatcttca tgggtaaact ttctgtctca gggatgtaag ctgactctag accatctcgc 360
ggttcctgcg gatagcacag cacacgatca tactgaagat nangccanat ntcatgacca 420
ccgcnatgnc gatnccccact nccccggatg atg 453
```

<210> 367

<211> 502

<212> DNA

<213> Homo sapiens

<400> 367

```
ccatccgcaa cgacgaggag ctcaacaaac tgctaggccg ggtgaccatt gctcagggcg 60
gcgctccttc taacatccag gccgtgcttc tgccaaagaa gaccgagagt caccacaagg 120
ccaagggcaa gtgatttgac aggtatctga gctcccgga acgctatcaa acccaaaggc 180
tcttttcaga gccccctac cgtttcaaag gaagagctaa cctcactgct tgtaggtaga 240
aggaaaaaag gactaagggt tgcaaaagct tctcatttca gagagatgcc aggatcctaa 300
ctgcctgcc aacttaccaa ttctaaggaa taagtggatg gatggcatta ctgattccta 360
cattactgat tgattctgca tccgcaaatt gttttattaa aaacattcta catcatgtgt 420
ggggagataa ggaggataaa atgaagagaa agaataattat tgaggggaag ttcttctgaa 480
tacaaaatgt gtttaatttt tt 502
```

<210> 368

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 525, 532, 533, 553, 573, 585, 599, 602, 618, 645, 646,  
655, 657, 669, 677, 678, 688

<223> n = A,T,C or G

<400> 368

```
naggagagtc agaaacaaac ttatagtgat gcgttgggaag gttaatcgaa accatcctta 60
cccctattta atgtagttta ccttgatttt tatctgatat taacaatacc atatagcttg 120
ctttttatta gcatttcctg atattccttt gtccatattt ctacttataa cctgttgcta 180
ttaatggttt tagatgtatc tcttgttatc tgcacatcat tgtttattgt attttgaacc 240
aatctacaag tctctgtcct ttaataaaaag aactttacac atttgtaaaa aagagggttct 300
tggttaagata taaaatggaa aaaggctaag taatatgtga atatcatatt tttgaaagggt 360
aaaaagtaca tttgtatatatt acatatatgg acataacttg tgaaggatga aagaaagtac 420
agcctctcgg tgggtgggatt atgaatgatt tttctccttt tgcttggttg tattttctat 480
attcctaaaa ttaacacaca ttattattgc tagaataata aaagntttta tnnaaaaaaa 540
acctttgggc cgngaccccc ccttaagggg gcnaaatttc ccaancacca ccttggggcng 600
gnccggtttc cctaaggnng ggaatcccc gaagcctttc ggggnnacc caaangncct 660
ttgggggcnng ttaaaannca ttgggggncc attta 695
```

<210> 369

<211> 473

<212> DNA

<213> Homo sapiens

<400> 369

```
cgacaaacaa gggtttcccca tgaagcaggg tgtcttgacc catggccgtg tccgcctgct 60
actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa agagaaaatc 120
agttcgtggt tgcattgtgg atgcaaactt ggcgttctc aacttggtta ttgtaaaaaa 180
aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc tgggccccaa 240
aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg tccgccagta 300
tggttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag caccacaagat 360
tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg ctctgaagaa 420
gcagcgtacc aagaaaaata aagaagaggc tgcagaatat gctaaacttt tgg 473
```

<210> 370

<211> 289

<212> DNA

<213> Homo sapiens

<400> 370

```
ggcatcacga accatcctgc ttcaagggag cctgcgggtc tgactgcagc ttcagctatg 60
acctggagtt cccgggcttc tctgcggggc accagtctgt atgctccatt ttagataata 120
aaaattggca tattctgggg tgggcaggat acgggggttca cctgcagatg aacagggcag 180
gaaaagcttg atgggggtgc gggggaatct ggttggcctt aaaggaatt tggggtcctg 240
ttcctgaatt tggtaggcag catgcatgta aggcttgaag tgggtttgg 289
```

<210> 371

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 43, 56, 57, 64, 69, 74, 126, 159, 162, 262, 280, 286, 354,  
365, 382, 391, 402, 405, 419, 424, 433, 440, 448, 457

<223> n = A,T,C or G

<400> 371

```
gggggcaggt cctaagttat aatccttctt cctcacagcc ccttttcccc aagggnnnttt 60
accnccagng cagnttttcta gctgtaaaca atgccaccag catgagtgat agtgtccctg 120
tagggngctc ccactttctca aggaccaaata acaccttanc anaggccaag gtttcctgac 180
aaagtgaatg ggggcaaaca gaaaatgcac aggtgcaaac atggaataga atggtagttg 240
atgattggtc tgaggtgcct anaaactgag ttaaactctan ctctanccat gaatgaagaa 300
aaccttttct tattttctat ttggagcctc ttgacaaaaa aaatcttgag aggnctcctga 360
ccaanggacc tgaggggattt cnggggggttt ntttccccta anggnaatcg gaattggcnt 420
gccttacctt aanctaaatn aaaaatancc cttttcnctat aaataa 466
```

<210> 372

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 42, 44

<223> n = A,T,C or G

<400> 372

```
aaatcaactg atttgtatgg aaaatgacac ggcaaataaa tnanacctat gttaaagcga 60
agggtcagcta aatatccaaa cttaaggata taatgggcac cgataaacag attccacagt 120
cttctttaat agagtatctt tcaaacacaa ctttgctaga aactgggtcca aagatcgaca 180
gcacgtggga atgcttaaca ggggtggtga tcagggacac gtttcctggg tgccgctttg 240
atgatgttgt ccacacgcag aatcacctct gctgcttcag 280
```

<210> 373

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 313, 336, 441, 453, 464, 466, 487, 491, 502, 512, 513, 514,  
532, 533, 540, 563, 568, 578, 583, 586, 588, 597, 610, 613,  
616, 620, 625, 645, 646, 653, 674, 703, 720

<223> n = A,T,C or G

<400> 373

```
ccaattaaaa tatatagcaa taacagttatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagtt actttctagg ctgagttatt 120
ctaaacttgg ctaaaatatg caacttgaat tctaattgcat cctttctcatt tgaactaaag 180
gattattctg cggacacaaa tttgttccta aaatttcaat caaatggggg ctctgcatat 240
cccacaactg cttcctaattg acttcctacc ctccagttac acataatcat aatgtctaaa 300
caacacagtt tanggattcc aaaattatta agggcnnnttc aagttttcttc aatctttctaa 360
catgccagga tcttcttttc aaaaatgggg aaaaataaat tttttggatt tgaaattttc 420
caaaaggaaa agaataattg naaaattttg gtnttaaaga atcnncncccc ttaattccct 480
ttttaantaa ngaatccacc anttttttac cnnnaaatta attttctttt tnnaattttt 540
gaaaaggaaa tccccctttt tcnaaacnct ttgaaaanaa ggncnncnca tggtaanntt 600
```

```
tcatttgcen atntcnnaan gagngttga aaaccctggg aaagnntaag aanccccggg 660
cctgccgggg gccntaaggg aatccccacc ggggctcta ggnaccatcg gccactgggn 720
a 721
```

```
<210> 374
<211> 178
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 36, 42, 58, 64, 72, 92, 96, 98, 103, 107, 119, 143, 155,
166, 169
<223> n = A,T,C or G
```

```
<400> 374
cttccaactt attaaagggg ggccccgaaa aatttngggg gncgcccctt ccttaagnaa 60
tggnccaatt gnccttcggg aagaccgggc cncgcncnc agnttgntgg gaattgggna 120
ttattctttg cccaagaaaa atntccgcc ttttnaggcc ggcggnccng gggggggg 178
```

```
<210> 375
<211> 649
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 527, 534, 538, 597, 602, 618, 624, 636, 639
<223> n = A,T,C or G
```

```
<400> 375
gggcaggtcc agacaatgaa tgagaagcaa ctcttccatg ggacagatgc cggctccgtg 60
ccacacgtca atcgaaatgg ctttaaccgc agctatgccg gaaagaatgc tgtggcatat 120
ggaaagggaa cctattttgc tgtcaatgcc aattattctg ccaatgatac gtactccaga 180
ccagatgcaa atgggagaaa gcatgtgtat tatgtgcgag tacttactgg aatctataca 240
catggaaatc attcattaat tgtgcctcct tcaaagaacc ctcaaaatcc tactgacctg 300
tatgacactg tcacagataa tgtgcacccat ccaagtttat ttgtggcatt ttatgactac 360
caagcatacc cagagtacct tattacgttt agaaaataac actttggatc cttcccacaa 420
aattattctc catttgacat atctagttgt aaaacaagtt ttagcttttt ttttaattcc 480
tcttacagat tttctaatat ccaaggatat tctttgcgct gagcagnntt ttcncttntt 540
ttctaagtga aataactttt atttgaagca aaacttggaa attacctcgg cggaacncct 600
angggaaatc aaccctgngg cgtntaggga ccactnggnc aactgggaa 649
```

```
<210> 376
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G
```

```
<400> 376
```

```

cctgcgaggg ccgaagctaa gctctcacgt ctggccgcct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gtttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg tttttttgat tccagatggt 180
taaggaaatc tctgtcctat cactgaccac tgggctaaaa gaataggaag aaacggccat 240
acgtgacaaa aaatacagac tttaacaacca gaaaagtcat taaacaaata actactgcaa 300
caaacagcaa gacaaaccgc ggaganggcg taggatcata tttccagagt tgctacatta 360
taatattcta aacacccagt ttacctcggc cgcaacc 397

```

```

<210> 377
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 23, 33, 35, 41, 114
<223> n = A,T,C or G

```

```

<400> 377
aaacttgatc caacctcttt gcntcttaca aantnaaaca nctaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cacgcctcat tacnattcgc 120
ctgcttgctt ctctgtttca atcgtttctt tggaaggcag tggatttttc tcttgcgctc 180
ctgtcttctt cagtttcgac ttatcgaaat tctcgatctc agccatatcg ggtttgtcag 240
acatggttgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
c 301

```

```

<210> 378
<211> 734
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 359, 373, 377, 380, 389, 417, 426, 432, 435, 438, 500, 506,
513, 517, 520, 528, 532, 542, 545, 558, 574, 581, 591, 603,
610, 611, 620, 621, 622, 635, 645, 651, 652, 661, 667, 678,
679, 685, 690, 704, 709, 720, 722, 727
<223> n = A,T,C or G

```

```

<400> 378
gggcagggtcc acagaagttg ctgctgacgc tctgggtgaa gaatggaagg gttatgtggt 60
ccgaatcagt ggtgggaacg acaaacaagg tttcccatg aagcagggtg tcttgacca 120
tgcccggtgc cgcctgctac tgagtaaggg gcattcctgt tacagaccaa ggagaactgg 180
agaaagaaaag agaaaatcag ttcgtggttg cattgtggat gcaaactctga gcgttctcaa 240
cttggttatt gtaaaaaaag gagagaagga tattcctgga ctgactgata ctacagtgcc 300
tcgccgcctg ggccccaaaa gagctagcag aatcccaaac ttttcaatct ttcttaaana 360
agatgatggt ccncccnttn tgttgtaana aaaccctta aattaaagaa agggaaanaaa 420
acctangacc anaancncc ccaagaattc agcgtctttg tttacttccc ccttgttcct 480
tgccagcaca aaaaccgggn gggcgntatt tgnctcnttn aaaaaaance anccgtcccc 540
cnggnaaaaa attaacgnaa agaaggcttg ccanaaatat ngcttaaaac ntttttggga 600
cctcggccn nggaaccacn nnttaagggc gaaanttcca accnctttg nngggccgtt 660
ncttaanggg aatcccannc ttcgngtacn ccaactttgg cggnataanc ttggggcaan 720
anctctnttc cgcg 734

```

<210> 379  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 117, 146, 175, 191, 194, 215, 221, 226, 264, 279, 283, 288,  
 290, 295, 302, 314, 320, 325, 326, 339, 352, 379, 383, 401,  
 407, 409, 419, 425, 429, 432, 437  
 <223> n = A,T,C or G

<400> 379  
 aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60  
 gggagggtgga tgagtatgca tgggggagag gctcttttgt gaccagggtg ggtctgnagc 120  
 cctccccact gtccataaca cctccncccc ctacatcttt ttccatatac caacnccttg 180  
 gagatataat ncanaagtga agtgatcagg ctgangatta nggcangtgt ctggaatatg 240  
 atcaggagtg ggaggggagt gacntacctc acaggcaang canaactncn ccaangctat 300  
 angtttcctt cccnccccctn acttnnaatc ctgaggcgng accctgactc cncctggctt 360  
 gcccttccc ctacccccnt tcnccctttt tttttccct ncccggngng cccttccana 420  
 gggcnaatnc cngcccnctt g 441

<210> 380  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 392, 469, 519, 527, 533, 555, 568, 579, 581  
 <223> n = A,T,C or G

<400> 380  
 gagcggccgn gcgggcaggt aaagtaatag ctatcagtaa tagctgagtg ttttttcccc 60  
 taatattttc ctgtgtcaat tcagacttaa gcatcgagtt ttaccatct tccactttaa 120  
 gctaagttat gatacctatt ccattcacaa ttggtgttct ttttaagggt tgcaaatttc 180  
 agccaatttt gtagctaaga ttgttctgat cagctcaaaa agatttggct tagtgtttc 240  
 attgcaaatt ataattgctg tagagccaca cacaactttt gaacttttaa ttataagtg 300  
 tatggctaaa gttatttact gaaaatttca gtaaaatgtg tgaatgtttc tttatgtatt 360  
 aacctcatag cagtaaatga ctttgctgtg gntaaatttt ctaaggcatc ttaatagact 420  
 tctgttgaaa cttcagggtg acattttata gtttgactaa atttaccgng attaaaaatg 480  
 aatttatgca tagacagaat ttacctcggc cgcaccacnc taaggcnatt ccncacactg 540  
 ggcggccgta ctagnggatc caactcgnac caagctggng naatcatggc atag 594

<210> 381  
 <211> 627  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614  
 <223> n = A,T,C or G

&lt;400&gt; 381

```

gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60
agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaagggggccc tccagaacaa 120
tgatgggctt tatgatcctg actgcatga gagcgggctc ttaaggcca agcagtgcaa 180
cggcacctcc atgtgctggt gtgtgaacac tgctggggtc agaagaacag acaaggacac 240
tgaaataacc tgctctgagc gagtgagaac ctactggatc atcattgaac taaaacataa 300
agcaagagaa aaaccttatg atagtaaaag tttgaggact gcacttcana agggagatca 360
caccgcgtta tcaactggat ccaaaattta tcacgagtat tttgnatgan aataatgtta 420
tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480
tgtggcttat atttttgaaa aanatgttaa angngaattc ttgtttcatt ctaaaaaaaa 540
tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600
aatttattat tgcnggggatg aaaaaaa 627

```

&lt;210&gt; 382

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 342, 393, 410, 413, 463, 493, 495, 499, 523, 548

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 382

```

gtggaggagg aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgccg cttttctcac tttgggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcaactgcct tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300
tgtttacact ctgtactctc caatgggtaa tatttatcat anaaatctaa tcatattctt 360
catcttgaat ccaacttctg tacagtagca tancgggggt gcttgcctgan acntgaaggg 420
ttacgtcctt gcccatgcag gtctccaaaa gagtggaata atncaagata aaaatggaaa 480
ggacctcggc gcnanacnc taaggcgcaa ttccaccact tgnngccggt actagggatc 540
caactcgnac caaactggcg aatatggcat actg 574

```

&lt;210&gt; 383

&lt;211&gt; 719

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 343, 394, 408, 410, 423, 450, 507, 518, 567, 586, 605, 610, 614, 616, 636, 638, 649, 651, 657, 659, 667, 681, 684, 694, 702, 704

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 383

```

aaattatttc actgaagctg agattattag tgatacaaag ttaaaatttc aatatttaat 60
ttctctatat attattaata ttaaattgtt ttttacttat aaattcatgt tctcatctga 120
tttaataatta aatttgtata ggtgggcgtt tcttaccatt ttgcacaagt ttttgTTTTT 180
ctgaaatact taattgtgca ggttgtaaaa aagatttagt cattttcatt ttaaggatgc 240
tttgctcctt aaattgttcg acagaaatga ctttttaggg aaagtagttt ttttgagact 300
actaacttgt atttattatt gtacatgcat aaccaggggt ggngagggca ctaatcttgt 360

```



```

aggaaacact tacttggagg ttttattttg aacnttttcc tatagggnntn acctttacct 420
gcntagaatt aacccttagg aaccagtggc cattgaaaat ctggggggttg aaaggagaa 480
ataccagttt tttattgaag aaaccntta aaagttnaa aataggaaaa tcattttctg 540
gaagaacaaa aagcccgaag ggaattnttg gtcaagtggc ccaaanaaat gggaaagaaa 600
ataanggggn ggnanttta acccttgggg ccaagntntt tggaanaana naggcntna 660
aaaaacnggg gaacctacct nttnattggg gaanaaagtt tntncttttt tttaatcca 719

```

```

<210> 384
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 46, 193, 282, 313, 318, 332, 341, 353, 357, 359, 378, 386,
424, 450, 452, 469, 494, 502, 506
<223> n = A,T,C or G

```

```

<400> 384
tttttttatg acactggatt tctttaatta aaaaaaaaaat gccanaaac attatttata 60
cagggttgat tgctttcatg ttgttattct gtaccctata gtagcctcca tgaaaatctg 120
gtatttcttg ctgcttggaa ctactttgca gtgattactt gggtgcagtc caagtactct 180
cgtttagtct gancctggag atgttctaaa ctgcttctc ccacctctga gattaggaca 240
ggaaaaatgt gaaatttccc aattacagga ttatacggcc cntcacatca tttgtggaaa 300
ttggggtgac tgnatacnng gattgggcta angactgtgg ncttattttt ccncatncng 360
gcaaaaaggc ctatccanaa atccanttcc tttggaaagg aaaaatttgt cctccttgtc 420
ccanaagggg gttcccaaaa aaaggggaan gnccctttta ccctttgcng gggggggggg 480
gaacctgaa aggncttttc antccttttg cgta 514

```

```

<210> 385
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 166, 330, 357, 367, 374, 389, 396, 405, 406, 419, 420, 421,
437
<223> n = A,T,C or G

```

```

<400> 385
gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggagg cggaatatag cctttgccat cactgccatt 120
aagggtgtgg gccgaagata tgctcatgtg gtgttgagga aagcanacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactgggtc ttgaacagac agaaggatgt aaaggatgga 300
aatcaccag gtccctacaa tgggtctggan cttgcccggg cggccgttca aaaggcnaat 360
tccaccnact tggngggccg ttacttagng gatccnaact tcggnnccaa actttggcnn 420
naatcattgg gcattanctt gttt 444

```

```

<210> 386
<211> 348
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 328  
 <223> n = A,T,C or G

<400> 386  
 ccaggatggt ctcaatctcg acctcgtgat ccgcccacct tggcctccca aagtgttggg 60  
 attacaggcg tgactcacca tgcccagcca cttagttttt tcttattccc acctttctat 120  
 cccatagaac actctttttt atcttccctg aaccatattg atgagataaa tagggctggg 180  
 ggctgggccc cgctggtcac tcaacagagt atttcccttg gccgagatgg aagttttgtc 240  
 ccaatagatg agctgctgag tatcaacaag gtgacatttt tctgctgccc atttgtgtcc 300  
 tggagacggt ggtaccctga aggacagangc cagaccttcc ccggcggg 348

<210> 387  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 387  
 tcgaaatgca gaacgacgcc ggcgagttcg tggacctgta cgtgccgcgg aaatgctccg 60  
 ctagcaatcg catcatcggt gccaaaggacc acgcatccat ccagatgaac gtggccgagg 120  
 ttgacaaggt cacaggcag 139

<210> 388  
 <211> 715  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 34, 36, 43, 49, 70, 125, 128, 142, 192, 208, 235, 267, 277,  
 301, 338, 374, 375, 387, 481, 482, 492, 505, 509, 517, 526,  
 547, 576, 577, 580, 594, 606, 607, 611, 639, 659, 669, 673,  
 682, 690, 691, 696  
 <223> n = A,T,C or G

<400> 388  
 ggcgatgtta caaattaatt ttaacggctt acanantcat ttnaagaant gtgggtgggaa 60  
 atacaatcan attttggcat ttcgacctac aggatggaca cactctaaca agttcactag 120  
 aatancanat gttattcccc anaccaaagg aaacatttca atatatggaa ttccttacag 180  
 tgaacacagc anctacctag aaatgaancg ctttgtccag tggctgaagc cccanaaaat 240  
 catacctact gtaaatgtgg gcacctngga aatctangag cacaatggag aaatatttta 300  
 nagagtggaa attggaaact ggatattgat gatacctncc aggattcaag ataagttaaa 360  
 ttccttttga tgttnccttg tacttantta aaatctatta aaaatgtgaa aatacacttt 420  
 tgtgggggaa aaccctcatt gaaaaattgt tcaaaatact ttatttttct catttatgtt 480  
 nnaaccacca tnttcctggg ggttnaatnc ctttcancct tcatcnaagg atactgaact 540  
 tgggtcncct ttgggacctt aattttctttg cccctnnccn tccttgggca gttnttttct 600  
 tcttcncccc nttaaaaaag gaaacaaagc gcgattccng acccaacggg taatgatant 660  
 aaacaaagnc ttnaaccttt tnttttaacn nttttinggtt ttcctcccgg cgggc 715

<210> 389  
 <211> 573  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 25, 40, 49, 72, 185, 201, 269, 315, 380, 384, 405, 412, 430, 444, 473, 481, 500, 531, 538, 543, 546, 550, 556, 557, 563

<223> n = A,T,C or G

<400> 389

```
acctgttaat ataagggatt tgtantatca gcttggtgan caatgactnt gaatctagtt 60
ttcagtgatc anaagcagca gttatttgag tgtatgaatg gaatgatgat cactgtgcta 120
taatgtactg aaaccaccat attacagaaa tattttactac atattttcca tctgtagttt 180
ctcanaaggg ctatggatta ntttgaactg tcaaatacctt gcatacttct gtgacacccc 240
tgcccatitt ctgtctttta ttaaccaang tggttaggtgt gactgtcaca actggttatgt 300
tttccagtaa actanaagta tgatatttga taattatatt tggattttccc ccctaaagga 360
atggtgaatc ctcaaaaatn aaangaaagg ccttcattga aaatnggttt gnataaattg 420
cattgtgacn cattttacct ggggnagtccc ttaccttttt aaattttggg ttnttccaaa 480
naaccctaaa taaattttgn ttaaatacaa aaaaaaaaaa aaaaaaaaaa nttttaancc 540
ccnccgccccn cccccnnggg ggnatcccccc ccc 573
```

<210> 390

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 132, 272, 304, 328

<223> n = A,T,C or G

<400> 390

```
ctgagggttgt cantacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttccagggtc tttgagttgc acgtcaaatac tggggctgat caccacacac ttgttttagcc 120
tgcctgtgag gntcacaaca attttcccag ctctgtggtc atcaatgatt tcaaattcgc 180
caatgtaacc atgcttcac atcacagtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcggtttg cctctctttt cngcattggt gatactcttg agagcatctg 300
ccangacatt catgcgcacc attgtggnng ggacctcggc cgcgaaccac 350
```

<210> 391

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 272, 342, 439, 476, 486, 503, 511, 514, 515, 534, 548

<223> n = A,T,C or G

<400> 391

```
actaaacgag aaattgacag cccttgaacg gagaatagag tacattgaag ctcggggtgac 60
aaaagggtgag acactcacct agaacagtgc cgtgctgctg ctgggaagtt gctttacaca 120
acacaggcca catgggaaag gccccagcag ccttcagctc ctctctttct ccttaaagag 180
caacagggct tattcttggt tttctttttt caaaagtgtg gcctttgggc tctgccatct 240
gggggtgtggt gtggtatgtg ggaagaagtc anaggaaccg ttggaaacga cgtaggcat 300
```

```

tttacctttt cagcaacatt ttatacatct acttgtcaat gnatttgaga cattcacagc 360
caaaagcctg ggactctttg tgaaggtcct cctcacctct atctttcttt ctctctctct 420
caaaactttcc ttaaagttnt cattgccttt gccttgcttc tgtgaacaag atttgnctcc 480
tccccnccct tttggtgtga aanggcgggg naannccctg gcaaaaacac ttcttgcccc 540
tggtcatnCG                                     550

```

```

<210> 392
<211> 551
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 53, 509, 541, 551
<223> n = A,T,C or G

```

```

<400> 392
agaggcaaca gcattattga gaaaagccct tacagaagag tgtggccgta ggncagctat 60
tcacagtagt gaatcatctt gcagcttgcc atctattctg aatgacaata gtggaataaa 120
ggaagccaaa cctgctgtat ggctcaacag tgttcctaca agggaacaag aagtttcaag 180
tggctgtgga gacaagagca agaaagaaaa tgtggctgca gatatcccaa tcacagaaac 240
agaagcctat cagttgctga agaaggccac ccttcaggat aatacaaata aaactgaaaa 300
caggtttcaa aagacagatg cttctgtgtc acacttgtca ggtttgaata ttggcagcgg 360
tgcattcgag acaaagacag ctaacaaaat tgcttcggaa gctagttttt catctagtga 420
aggaagtcct ttgtcaaggc atgaaaacaa aaaagaaacc cgggatcaat ttacctgccc 480
ggcggccgct cgaaagggag aaattccncc accccttgcg gccgtactta gtggatccga 540
nctccgtacc n                                     551

```

```

<210> 393
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37, 131, 137, 155, 156, 238, 278, 287, 310, 311, 314, 327,
337
<223> n = A,T,C or G

```

```

<400> 393
ccaacttata tgattttttt ttgtttttgt cgtgtancta tggcactgtc ttattttggaa 60
catttgcaac tagggataat acaacatttt taactctcat ttgacaacct actactaatc 120
acagaccaca ngggtantga ccaaatttat gtggnnnttg cactccatag atgcttagcc 180
caatctttct atactcttac gattacttgg gttaacgctt ctgtgaggac cttctggntc 240
ttgagatacc ctaaataattt aagatattta gatatctnga agatagnata ggatatacag 300
attgtaccan ntangaatat aaggagnatg ttaaaangac cagatacctg t 351

```

```

<210> 394
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 138

<223> n = A,T,C or G

<400> 394

```

aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttatTTTT gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtangc ggcttatagt tcttttggct aacaaatcat tttggaaata 180
aagatttttt actacaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 224

```

<210> 395

<211> 386

<212> DNA

<213> Homo sapiens

<400> 395

```

ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgccg gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcggttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccaggga tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggctctgtac attttggcta gtttttcccg aatttctgcc ttaggcactg tcgccttccc 360
gggggtgaagg acatcaatga ccattt 386

```

<210> 396

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 461

<223> n = A,T,C or G

<400> 396

```

aaaatacttt atttagccaa atgggtttctt gaatcttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaa ccaacctggga aaaatatcag tgggtgaggt 180
tcagtggttg tatatggagg atgggtgcaa ctgaattatt ccataaaagc tgcttggtaa 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtagggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca ccctgtggag gaactcgagc ctactccata tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agaccagaa ngaagcacct tgtaagcagg 480
aaaaataatt tgtgctgaaa taatggatgt aaaatacttt ctctcttgcc actattgtca 540
aaa 543

```

<210> 397

<211> 234

<212> DNA

<213> Homo sapiens

<400> 397

```

ccagcgacct cccgggttcaa ttcttcagtc cggctgggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg ctctcgatgt cactcaggat cttggcgaga 120
tcggtgcccc gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180

```

gtactgattt cctcctcatg gttctttcttc aggtaggcca gctcttcctt cagg 234

<210> 398

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 124, 426, 509

<223> n = A,T,C or G

<400> 398

```
ctgccctacc aaccccaggg cctccagcag ctccagcaag tggtagccga gcaatgccag 60
tatctttggg gggtagcccc tccacagtca tggataccaa gttctcccca cgcagcaaca 120
ccanacccaa aaccgcgttt tcttcacgct ctgggttgctt cgcattcttt ggcttgatct 180
ttctgaactc atcacaatca cagaggatca aattcatatg ctagtcaaaa gccttaaagg 240
tgccaatgaa gattcggcca tcttgacgga tacatctcat tctatagtca atgtgctgca 300
gcattctgct actcttgcca acagtcatga ttgctgttcc accaaatcca atgtccacag 360
ttaaaacttg atgcttctga aacctagggg aagctataga taaaggtagt acgcagggtc 420
tcctanaaac aatgcaagct gggcagaagc ttcaaaagag caagatggag cctgggtttt 480
tgctttggaa tcaaaattcc tcgctactnc aatatggctt taaccacctc ttgggggtca 540
gctaa 545
```

<210> 399

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 133, 402, 419, 470, 479, 486, 498, 527

<223> n = A,T,C or G

<400> 399

```
ctgcaaagta ccacacatag cagaaagaca gaaatttata ctgggggggtt ggaagatatg 60
gctactgagt ctgtaattcc atttgagggt tcaaaaaacc atttttacat tgctattatt 120
tgtacagacc aangggacct aaattttgaa acagctagac agtgatataa acaaacattt 180
atctctgggg gtagaaaatt aattataata caagaatgaa aatgggcaaa cagtatggaa 240
ggcaccacca cctcctagca ccctttgggtt ttctgatgga gttctcactt cacacatcag 300
tgcattggat tgcagaaaat attgatattt tatttcatca aaagtgccat ttggtatgcc 360
actattgaaa gcttatcgct gctttttctc cttcagcaaa gnagaagtca atgaagcang 420
gtgtggtagt tacccaaatt cctataaggc actttacggt ttccacctgn ccgggcggnc 480
gttaanggcg aattccanac acttggcggc cgtttctagg ggatccnaac tcgtaccaag 540
cttg 544
```

<210> 400

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 20, 21, 30, 35, 37, 360, 509, 519, 545

<223> n = A,T,C or G

<400> 400

```
cagcgggcg cggncaggn ntgaaagaan cccancnaca ttatcctctc catacatttg 60
caattggcat ggaagacagc cccgatttac tggctgctag aaagggtggca gatcatattg 120
gaagtgaaca ttatgaagtc ctttttaact ctgaggaagg cattcacgct ctggatgaag 180
tcataatttc cttggaaact tatgacatta caacagttcg tgcttcagta ggtatgtatt 240
taatttccaa gtatattcgg aagaacacag atagcgtggt gatcttctct ggagaaggat 300
cagatgaact tacgcagggt tacatatatt ttcacaaggc tccttctcct gaaaaagccn 360
aggaggagag tgagaggctt ctgaggggaa tctatttggt tgatgttctc cgcgagatc 420
gaactactgc tgcccatggg cttgaactga gagtcccat tctagatcat cgattttctt 480
cctattactt gctctgcccc aaaaatgana attccaaana atgggatgga aaaacatctc 540
ctganaataa cctttgagga t 561
```

<210> 401

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 424

<223> n = A,T,C or G

<400> 401

```
ccaggagcta agcttgagtc tcctttactg aatttcggtc ttagtgcagg ttacttgtag 60
attctagtct tcacaggctc cctggggctc ttaactagtc acactgggag tcatgaatgt 120
ctttccaata attcaggga ttctagagat cctcaaactg taagggtctat tcataactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtaggttca acatgggttt attgctagaa agatccaggg 300
gatagcttta ggttttaact cggtcacca acgtaacttt ctaatcattt atttcagtaa 360
tagctagaag tgggtctgaa tgttttccca gagtctgata ccgtgttttt ttttgccaga 420
aganaggtct tcaggagact tcattt 446
```

<210> 402

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 421, 445, 484, 485, 520, 530, 577, 579, 580

<223> n = A,T,C or G

<400> 402

```
ccaaagcagc cagggaagag tgccctgtgt ttacaccgcc cggaggagag acgctggacc 60
agggtgaaaat gcgtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cggatcaaaa agaacagttt tcccaaggat ctccaagcaa ctgtctggaa acttcttttg 180
cagagatatt tccttttagga aaaaatcaca gctctaaagt taattcagac agcggatttc 240
caggattagc agccagtgtc ttagtttgtga gtcacggtgc ttacatgaga agtctgtttg 300
attattttct gactgacctt aagtgttcct taccagccac tctgagcata tctgaactta 360
tgtcagtcac tcccaatata gggatgaagt ctctttatca taaactttga ggaaggaaga 420
naagttaaaa ccaacgggtt caagnngtat tttgtattga accctacagg gatcatctta 480
aaanngggac tggacttggg aaacttcocct ttaagggtnn aaaatttggn attcaaaaaa 540
```

tcttaaccat tttttgaaac ccttttttaa agggganann gccat

585

<210> 403  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 96, 132, 137, 151, 208, 230, 363, 375, 397, 399, 473  
<223> n = A,T,C or G

<400> 403  
ctgagcgatg aggatatcat catgcaactgg tcggatagtg ccctctggaa agagatcagc 60  
ctggttcccc aggggggatcc atgtcatatg cctggnatac actttgtggc tcacgtacag 120  
ttcggtgggg gncagangaa tcttttagcag natgggggtt ccgagtgcac ctgacctgga 180  
gacgaaactg tagagtatct atctctgngc cttcttcac tccttgggtn cgatactcaa 240  
aaagacgggg atcagcatga atgggaatga gcccagacg gtgagcaaga atctcatcct 300  
gaacaatgga tgtattattg tacaccagga ccttctccac agccatagtt ggcacctcag 360  
ctncagaatt cgtcnaaaag cattggcaat ggctgcnana attcccacca tgtcaaactc 420  
cagtgaagttt tcatccatgt gtactacatc cacaccggaa attcttctcg aancgggtcc 480  
cttggtccca aggcatcatc ataaaccgga atagttaccc gggaaaaa 527

<210> 404  
<211> 172  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 164  
<223> n = A,T,C or G

<400> 404  
cctgatgggc gagggtggg gcagggcatg cctcagtcgg agtcacaggt cttttgttcg 60  
gtggcagcat ccaactgcaga ggctaggctg tcttctggc ctttcagcct ttcacggatc 120  
agctcgcaat gggccctctg agtcgcgttt tttagtttct ccantttctt gg 172

<210> 405  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 11, 228, 273, 367, 378, 388, 389, 402, 410, 436, 466, 472,  
490, 492, 509, 546, 552  
<223> n = A,T,C or G

<400> 405  
ctaggtcctg ncatttccta ctggatgttc tctcaataat tgtgctgccc attatactcc 60  
caatgccggg gacacaacag tattacagta tgatgacatc tgtaaaatag actttggaac 120  
acataataagc ggatgattat tgactgtgct tttactgtca cttttaatcc caaatatgat 180  
acgttattaa aagctgtaaa agatgctact aacactggaa taaagtngc tggaattgat 240



```

gttcgctgtg tgatgttggt gaggccatcc aanaagttat ggagtcctat gaagttgaaa 300
tagatgggaa gacatatcaa gtgaaaccaa tccgtaatct aaatggacat tcaattgggc 360
aatatanaat acatgctnga aaaacagnnc ccattgtgaa angaggggan gcaaccaata 420
atggaggaag gagaantata tgcaattgaa aacctttggt agtcangaaa anggtgtgtt 480
catgatgatn tngaaatggt caccttacnt gaaaaathtt gatgttggac atcgccaata 540
aagctncaaa an 552

```

```

<210> 406
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 139, 248, 319, 337, 367, 431, 496, 528, 545
<223> n = A,T,C or G

```

```

<400> 406
ccagcccctc cttgttccag ccggtggtgt gacttcggtt gttgaggtgt gtctccaacc 60
tacatcagac catgaagttc aaccctcca gggagctcc tgatttccc tgcataattg 120
aaaataggat atttctcanc tattgaacag ttactaattt atggggtgga aacagcatta 180
agaatactga atcaaattgga aaaacaaatg aatacaggaa gataagtgtt cgttcttttc 240
tgaaaaanag tatgtgtacc acaagagctg gttttaattg ggtgaattgt tttgtcctc 300
attctgtaca gaaatttgna tatatgatgg ttcttanaac ttgttttaac tttgtgggtc 360
cttctgntta ttataatagg ccgccaccaa tgattatcca tatgtgttct taatttttaa 420
ctgctggaag ngttaaaaca cacacacaca cacacacaca tttttttgag aactccaaag 480
ccctgaaaat tttgngggac aatgattttt accttgcccg ggcggtcntt aaggggaatt 540
ccacn 545

```

```

<210> 407
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 244
<223> n = A,T,C or G

```

```

<400> 407
aaaatggaaa aggcccctat tgatacctcg gatgtagaag aaaaagcaga agaaatcatt 60
gctgaagcag aacctccttc agaagttggt tctacacctg tgctatggac tcctggaact 120
gccccaaatt gagagggagt agaaaactcc tggggtgatc ttgaagactc tgagaaggaa 180
gatgatgaag gcggtggtga tcaagctatc attcttgatg gtataaaaat ggacactgga 240
gtanaagtct ctgatattgg aagccaagat gctccataa tactctcaga tagtgaagaa 300
gaagaaatga tcatthttgga accagacaag aatccaaaga aaataagaac acagaccacc 360
agtgcaaaac aagaaaaagc accaagtaaa aagccagtga aaagaagaaa aaagaagaga 420
g 421

```

```

<210> 408
<211> 556
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 536  
 <223> n = A,T,C or G

<400> 408  
 aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60  
 caaccatcat cttccacagt caagtcacaa tgtcaaata ttttcttgcc tctgcagatg 120  
 aaaagttcag atcttatacc caactactta ctcaccccgga atatttaagt cagtcttcct 180  
 gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240  
 aaaaggaaac tatgtggcaa gtacctctt tcccttccca cccccaatt aaaggcaaac 300  
 aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360  
 cttacaacaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420  
 taaatgctta aacaaaagac aacatatattt atatcaaaca agtttgaaga gccctgaatt 480  
 gcagcattct gtaacataaa caaacaaaaa gctggatatag ggatttattg tcaaangcag 540  
 aatttcttca ggcagg 556

<210> 409  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<400> 409  
 ccatcaacca caaattggaa atcaagtaca tagattctgc ggacttggag cccatcacct 60  
 cgcaagaaga gcccgtagc taccacgaag cttggcagaa gctctgtagt gctcatggag 120  
 tgctggttcc aggaggattt ggtgttcgag gaacagaagg aaaaatccaa gcaattgcct 180  
 gggctcgga tcaaaaaag ccttttttgg gcgtgtgctt agggatgcag ttggcagtgg 240  
 ttgaattctc aagaaacgtg ctgggatggc aagatgccaa ttctacagag ttgacccta 300  
 cgaccagtca tcccgtagc gtagacatgc cagaacacaa cccagggcag atgggaggaa 360  
 ccatgaggct gggcaagagg agaaccctgt tccagaccaa gaactcagtc atgaggaaac 420  
 tctatggaga cgcagactac ttggaagaga ggcaccgcca ccgatttgag gtgaatccag 480  
 tctggaaaaa gtgtttggaa aacaaggctt gaagtttgtt gg 522

<210> 410  
 <211> 527  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 490  
 <223> n = A,T,C or G

<400> 410  
 ccaaaggaat ctgcagcaac ttcttaaaat actgttaaca tctttgggtt tgctgaggct 60  
 tgtcagtaac ttacatcaaa tcctcccaa agaagatctg attagataga tatgactaaa 120  
 cggtttttga gtaataatcc aattttacac attaatattgc tgttgcaaat ctgccccaaag 180  
 ctacaggtaa tgaaaaataa agcaagtgtg aaatggatag tctgacactt aaaaatttat 240  
 acaaagtgga agttaaagtt tacatatattg aaaatcacat atacactaaa ttaccattat 300  
 ctgaattttc caaagacaaa ttgcaccatg acagctacaa aaggcatagg gtttggtttt 360  
 aagggcacaa gaagggaggg cagaggagag gaaggggaca acagataaat taacaaagta 420  
 agaccaactt ggtaaggtca atctgagaca tgctgacaca aatgaaacag ctttcattct 480  
 tgagtcatan gaaaaagaca atcattttgt atttgcgcac aaaagt 527

<210> 411  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<400> 411  
 aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccacctgta gaagatggaa 60  
 tcatggatgc tgccaatttt gagcagtttt tgcaagaaag gatcaaagtg aacggaaaag 120  
 ctgggaacct tgggtggagg gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180  
 catccgaggt gcctttctcc aaaaggtatt tgaaatatct caccaaaaaa tatttgaaga 240  
 agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt tacgaattac 300  
 gttacttcca gattaaccag gacgaagaag aggaggaaga cgaggattaa atttcattta 360  
 tctggaaaat tttgtatgag ttcttgaata aaacttggga accaaaatgg tggtttatcc 420  
 ttgtatctct gcagtgtgga ttgaacagaa aatttgaaat catagtcaaa gggcttccct 480  
 tggttcccac tcatattatt gtaacttgac ttcttttttt ttcttgctta aaaatttcaa 540  
 ttctcgggg 549

<210> 412  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<400> 412  
 aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60  
 caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120  
 aaaagttcag atcttatacc caactactta ctcacccga atatttaagt cagtcttcct 180  
 gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240  
 aaagggaaac tatgtggcaa gtaccctctt tcccttccca cccccaatt aaaggcaaac 300  
 aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360  
 cttacaacaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420  
 taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gtcctgaatt 480  
 gcagcattct gtaacataaa caaacaaaaa gctgggtatag gatttattgt caaaggcaga 540  
 atttcttcag 550

<210> 413  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 16, 34  
 <223> n = A,T,C or G

<400> 413  
 ctgatcaaga ctgganacaa agtgggagcc agcnaagcca cgctgctgaa catgctcaac 60  
 atctccccct tctccttttg gctggtcac cagcaggtgt tcgacaatgg cagcatctac 120  
 aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttcct ggagggtgtc 180  
 cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttcac agtaccocat 240  
 tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300  
 ccacttgctg aaaaggtcaa gg 322

<210> 414  
 <211> 544

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 544  
<223> n = A,T,C or G

<400> 414  
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60  
cctcccgatg aaaaccagat tgtggggacac cagggtcattc tgtacctctg tcatgggatg 120  
ggccagaatc agtttttcga gtacacgtcc cagaaagaaa tacgctataa caccaccag 180  
cctgagggtc gcattgctgt ggaagcagga atggataccc ttaccatgca tctctgcgaa 240  
gaaactgcc cagagaatca gaagttcac ttgcaggagg atggatcttt atttcacgaa 300  
cagtccaaga aatgtgtcca ggctgcgagg aaggagtcga gtgacagttt cgttccactc 360  
ttacgagact gcaccaactc ggatcatcag aaatggttct tcaaagagcg catgttatga 420  
agcctcgtgt atcaaggagc ccacgaagg agactgtgga gccaggactc tgcccaacaa 480  
agacttagct aagcagtgac cagaaccac caaaaactag gcttgcatg ctttgaagag 540  
caan 544

<210> 415  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 489, 515  
<223> n = A,T,C or G

<400> 415  
ccacgtccat cggagtgtcc ttctcgggtg ggcacggggt gcctgaggct gagaagaacg 60  
caggggagcc cgagaacacc tatattctgc ggctgtttt ccagcagagg ttcaggccct 120  
ctgtggttaa aagactgtat ccattgctgt ctcaaggagg aactggcaaa tgctgaatat 180  
tctccagaag aaatgcctca gcttacaaaa catttatcag aaaacattaa agataaatta 240  
aaagaaatgg gatttgaccg atacaaaatg gtggtgcaag tagtgattgg agaacaaaga 300  
ggtgaaggag tattcatggc ttctcgtgt ttctgggatg ctgacactga caactatact 360  
catgatgttt tcatgaatga cagttttatc tgcgttgtag cagcatttgg ctgtttctac 420  
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctgaactttt 480  
taatattgnt aaatatcttg acaaaataaa gatgntagta gttcgaaaaa aaaaaaaaaa 540  
aaaaat 546

<210> 416  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 102, 107, 122, 150, 161, 172, 226, 248, 269, 282  
<223> n = A,T,C or G

<400> 416  
ccgggacctc atcagccacg atgagatgtt ctccgacatc tacaagatcc gggagatcgc 60

```

ggacggggttg tgcctggagg tggaggggaa gatggtcagt angacanaag gtaacattga 120
tnactcgctc attggtggaa atgcctccgn tgaaggcccc nagggcgaag gnaccgaaag 180
cacagtaatc actggtgtcg atattgtcat gaaccatcac ctgcangaaa caagtttcac 240
aaaagaancc tacaagaagt acatcaaana ttgcatgaaa tnaatcaaag ggaaacttga 300
agaacagaga ccagaaagag taaaaccttt tatgacaggg gctgcagAAC aaatcaagca 360
catccttgct aatttcaaaa actaccagtt ctttattggt gaaaacatga atccagatgg 420
catggttgct ctattggact accgtgagga tgggtgagacc ccataatatga ttttctttaa 480
ggatggttta gaaatgggaa aaatgttaac aaatgtggca attatttttg atctatcacc 540
tgtcat 546

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<210> 417
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 417
aaataaaata tgcttattaa acactcctgc aaagatgggt ttattagtag cctggtcatt 60
ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120
ataaaaacgc tacatttgtg gtattttttg ttcagctaag aattggaaaa gtatttgctt 180
gccttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240
ttgcataaaa tgcaaatacg tgctgtgct tgaagggtgc tgtagagcat ctgaccctt 300
attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacagggtg 360
tttctatcta gattt 375

```

```

<210> 418
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<400> 418
aaagtatatg gaagatgtgc aaagggttata tgcaaatact gtaatatatt atataaatga 60
cttgagcacc tgcagatttt ggtatccctg agagttcctg gaaccaatcc ctttcagata 120
ccaaggaatg actgtacatg tttggtagaa aactagtgtg ctctacctag tctccattct 180
ggtcacttct ttagtttctt aatttcagag taaggccagt ctcttctgt gatggttaat 240
tttgtgtcaa cttgagtga ccaagggatg ccagataacc tggtaaaaca ttatttccac 300
gtgtgttggt gggggtggtt ctggaagtca ttgacatttc tactggtaga ctgagtacag 360
aagatccacc ctcaataatg tggatgggca tcagttccatt cagtgcacca tatgaaacaa 420
aaaggcagag gaaggacaaa atcagcctct ctgcttggtc tgggacatct attttctcct 480
gctcttggtg atcagtacac ttgcttctct gg 512

```

```

<210> 419
<211> 539
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 538
<223> n = A,T,C or G

```

```

<400> 419
aaaaaagcac ctcttacc catatcacgt ttctctgaca ggtgttaaag taggcaatga 60
gtatgtcaac agcttgagca tcagcgtctt gcaaggactt cagaccaacc actcgccaaa 120
aatcttggca gctttttatc ttgtttttta tacaacggta tatccactct gatggcaaac 180

```

```

ctatccagcc acatctccac aacaagcttt gcaaaatcag tgattagcaa attagtttagc 240
tttggcacgg agctgtgctc gcttgcccgt gacagcctgg aagccggttt tgatactggc 300
aacagaacat ctagaatgac aagtttcgca ctgtaggaaa tagagtcgtg tgtccttctg 360
caggattgtg tccggtgacg ggcatgtgtg acaagtgaca tattccttga tatatcttct 420
caagacattt tctatctgtt tctgttggaa tcttcctttg attacaagtt ggttattacc 480
atctatagaa ccacttgtac ccaattcagc caacaaaaat gcaaggagat gttttggng 539

```

```

<210> 420
<211> 538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> 14, 130, 137, 403, 412, 413, 418, 443, 455, 473, 481, 487,
490, 527, 536, 537, 538
<223> n = A,T,C or G

```

```

<400> 420
ccagcagtac ccanagaaaa tgggcagcag caggtaaacc agccaggagg tggagtcttc 60
tgaaccacac gcagacccca ccctcctgcc cagcccctgc ccacattggg ggtcaggacc 120
actgaaactn tggtcangac agtgggtgct ctacagcagt tggcaagctc agagcagagc 180
tcccaaggac cataccacac tggttcaaaa cccatagggtg acaccatccc agcagaagct 240
tccatgggtg ctggatccca gggctgcac ctgagcacag gtgggcagac tggaaacataa 300
cactaggacc caagggatcc agaacatttt aggcccatct cctgggctgc tccagcctgt 360
tgccatgact tgggcaagtg agtgggcctc cttgccagggt ggnagggcac anntttanac 420
caaacccttt ggccctcccc ttntgcagtt acctntgacc aaaaaggaac tancaagcct 480
ntgtggnaan accatagggg ggggtgctgg gaatccttgg ggccgntgg cccccnnn 538

```

```

<210> 421
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<400> 421
cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc tttgttctact 60
ggtagcgtggg tgaggggatg gaggaaggcg agttttcaga ggcccgtgag gacatggctg 120
cccttgagaa ggattatgag gaggttggag cagatagtgc tgacggagag gatgaggggtg 180
aagagtatta acctgtgtgc tgtactttta cactcctttg tcttggaaact gtcttatttt 240
tgttctgtaa atgtctattg ccgtaaattg ttaataaaat tgatgtttcc atttt 295

```

```

<210> 422
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 422
aatggttac attgtaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
ggcctgccat gcttaaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
cttgtcccgg ggcagtaggc atctccgtca aaactcttgt ccttgggtctg tggttaacttt 240
ctcagctccc caacccatgt cctcaaaagt cccctcccta tagggcaaga accgaacaac 300
ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaacctgca 420

```

gg

422

<210> 423  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 423  
 aaggtgctcc ttgccgccgc cctcatcgcg gggtcggtct tcttcctgct gctgccggga 60  
 ccttctgcgg ccgatgagaa gaagaagggg cccaaagtca ccgtcaaggt gtattttgac 120  
 ctacgaattg gagatgaaga tgtaggccgg gtgatctttg gtctcttcgg aaagactgtt 180  
 ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240  
 aacagcaaatt tccatcggtg aatcaaggac ttcgatgatcc agggcggaga cttcaccagg 300  
 ggagatggca caggaggaaa gagcatctac ggtgagcgct tccccgatga gaactttgcc 360  
 aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga agaactggga 420  
 gccgttggtg tctttgcctg cgttgg 446

<210> 424  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 450, 531  
 <223> n = A,T,C or G

<400> 424  
 aaaaactgac taggtcaaaa atagttacgc ctgcagggtg acctattcag actttgccaa 60  
 actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120  
 gctgttccct cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct 180  
 gcctgtttgc tgcggaactc tttgagctgc tgtagccgct cgatagtttc agaaatgggtg 240  
 cgttccccgt ggaccttatt gtctcttctg cggatattaa cagtgccact gatcttctct 300  
 ttttcaccaa caactaaaat gaagttatac tgtgctaact gtgcatttcg aatcttttta 360  
 ttcaatgtac agcctggatc cagatcaatg tctgccatga atttggcatc gtggaattgt 420  
 tgtcgtacct tttgggcata ttcatcacan gttgggtccca ctggaactac cattacctgg 480  
 cgagggggaca gccaaaaggg ccttttgccc catagtttct gtgaggatag n 531

<210> 425  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 425  
 ccttgagagc ccagcccttg catcagtgtg gcctggacgt gaggcattgga gtcaaaagag 60  
 attatatttg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120  
 ctgtagccct ctttggtttg cctgatttct ctcttttgga atgggagtgt ttagccaatg 180  
 cctgtgcccc tattgtatct tggaaagtaac taacttggtt ttttatttta tagactcatg 240  
 ggcagaaggg acttgccctg tctcagatga gactttggac tgtggacttt tgagttaaca 300  
 ctgaaatgag ttaaaattta ggggactgtt gagaagagat tattgtattt tgtagtgtga 360  
 gaaggacatg atatttgga ggggttgagg tggattata tggttt 406

<210> 426  
 <211> 322

<212> DNA  
<213> Homo sapiens

<400> 426  
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60  
atctccccct tctccttttg gctgggtcatc cagcaggtgt tcgacaatgg cagcatctac 120  
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttcct ggagggtgtc 180  
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccctac 240  
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300  
ccacttgctg aaaaggtcaa gg 322

<210> 427  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 301, 305, 323, 328, 333, 339, 375, 381, 385, 391, 392, 397,  
407, 412  
<223> n = A,T,C or G

<400> 427  
cctgttctgg gagatggtea tattcacctg ccaaaatctg ctggaatcct ttgatggctt 60  
ccttcagggg taccagcttc cccatatgac ctgtgaagac ctgagcaacc tggaaatggct 120  
gagacaagaa acgctgtatt ttccgtgcac gggacacggt caacttgtct tctcagaaa 180  
gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240  
tttgaccccc acgggcaaca tcgtaatgct cactgccaac aatgttggga tccatgatac 300  
nagangtgga agtctaaaag atncacanac ctnggccgng aacaccctta agggcgaaat 360  
tccacaccac ttggnggggc ngttncctaa nnggaanccc aaacttnggg ancccaaa 418

<210> 428  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 381  
<223> n = A,T,C or G

<400> 428  
aaatctagat agaaacacct gtgattgaat tagtgcattg taatgcattg catatacatt 60  
gcttaagggtg gtaataaggg gtcagatgct ctacagcaac cttcaagcac aggcaccgat 120  
ttgcatttta tgcaaaactt cagggttttac tcaattttta cactggtgga agctgatgtc 180  
agtaacttaa aaggcaagca aatacttttc caattcttag ctgaacaaaa aatacacaca 240  
atgtagcggt tttattgggc aagacttgct ttttatattt cacgtgagaa tgcaatataa 300  
cccttccttg aacaaaatga ccagggtact aataaaacca tctttgcagg aatgggttaat 360  
aagcatattt tattttacctt nggcog 386

<210> 429  
<211> 452  
<212> DNA  
<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> 356, 370, 386, 388  
 <223> n = A,T,C or G

<400> 429  
 ctgattcaga tcagagggaa agaaatacca accctgcaat aagtgtacta aactctacgc 60  
 tctggttaat gtaatgtact ctctggact gaatgcagtg tataatttct gtctacagct 120  
 agaagctgtg cccagttcc acatttgatt acacatgtga gatttgctgc tgttgacagta 180  
 taaacactag gtataatagg atttgaaatt gcattacagt tcataaaaaat tgaaaatgag 240  
 aaattaaacc tgcaagtgaac acatttgaaa cgattatact ttctacataa gacatgggtg 300  
 ggacatcaga tacttacaaa gatgggttaa agtatggata ctagaaaaaa ttaagntctc 360  
 tttctctttn ggtaaatgga ttgggntnaa tttccattat gctatttgca taatcaaggc 420  
 actgtaaatc ttataatttt acctgccccg cg 452

<210> 430  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 393, 403, 478, 505, 537, 539, 553  
 <223> n = A,T,C or G

<400> 430  
 aaaggtgata ggtgacttaa taattttcca ctttcaaaat ggggtttctag acactgttgt 60  
 tcatgaacca aaaacaaaca aacaaacaaa caacaacaaa acccaaacac tttggcaagc 120  
 aaagtattat tagtacatag cagcttcata acagtttact tttttaatat aaagattttt 180  
 caatttacac ttgtaggagt agaaaaaact aatatgctaa gtctgtaagc tacgcagcaa 240  
 aaataatgat cttaatgaag ccagaattct gtgaaaatgt gcaccacact gcatatatag 300  
 tagctgagta aatgtaaacc atgtgcttat taactcttct atataaaata ttgaaccccc 360  
 aagtctccac attgccttct atgtccatt acnttttctt ganacagcct catgcttaag 420  
 ccaatatata ttgctatttg aaaaagttct catcctcatt ctaaaatgtt tctgtaanga 480  
 cctgccgggc ggccgtcaaa gggcnaatcc acaactggcg gcgtctatgg accactngnc 540  
 cacttggcga atntggcata 560

<210> 431  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 394  
 <223> n = A,T,C or G

<400> 431  
 aaaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60  
 ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120  
 acacagtggg tacatttcac atttcactaa tggtgatatt tggctgatgg ttgagcagtt 180  
 tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttgggttagca 240  
 tctcatcttg cattctgac aattggcaag aaaggagat ttcaaaatta tatttcttga 300

tggatatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggg 360  
 ggggcttaaa aattccaaac aaatgatccc tgcntttcct gaagatgttt acctcgggcc 420  
 gcaccacgc 429

<210> 432  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 430, 444, 466, 500, 506, 515, 524, 537, 545, 564, 572  
 <223> n = A,T,C or G

<400> 432  
 ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60  
 gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120  
 tggaaggaag gtcctattgt acttactaag cccagagat cctgcacata cagtacgaga 180  
 aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240  
 cgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300  
 cgccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggata 360  
 tgccactgga gacgttcagc ctacatgaa tgccatcgcc agcttggcag caacaggact 420  
 gcatcctggn gggcaaggac gganaacttt cacattgcag aacatnctgc agggacatct 480  
 agttcttgaa gtggttaatn gagtangaat aaaangatga aagnaaaatg ggagaanaag 540  
 gttgntttgc aaaaacactt gtanaacatg tnggtatgaa aaacctgaaa tcttggtt 599

<210> 433  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

<400> 433  
 atagtctgcg cagcgtatgc acacgaactg caaaaatatg gtgtgaaggt tggcctgaca 60  
 aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 120  
 ggcattggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180  
 agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg 227

<210> 434  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 417, 434, 484, 504, 522, 538, 540, 543, 557, 574, 580, 593,  
 601, 602, 611  
 <223> n = A,T,C or G

<400> 434  
 aaaaaatcat acggacaaac aactttcaaa caaaactgga ttagtaggat ttcttgcttg 60  
 cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120  
 ccaagctaga gataagaatt ctccctgat gcagttaggg gaaagggaaa ggctagaaac 180  
 ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240  
 gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300

```

aaaagtgcag aagtcattcta gtcgtctgcc tcttcccact gccagtgcct gcagcctttg 360
cagcaacttt taacccccct atggactgga atattgagtt taaaagccaa ggctganctg 420
gctgacgctt gtantctcca ttgaaaaagg aaatggatgg gatggaaccg agaaaccacc 480
agtncccttga tgaaccttca aaanacttag ggggggaaaag anaaaggaag gatttcanan 540
atnggggaca gaatggnggg aaaatgttgg gctnactggn aaggaaatgg ggnttccctg 600
nntaatatgt nca 613

```

```

<210> 435
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<400> 435
ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattctc cccacagcct caacgccgag 180
caaggagcat caaggggttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct tt 322

```

```

<210> 436
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<400> 436
ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acgggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg 267

```

```

<210> 437
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 403, 415, 421, 448, 452, 463, 468, 476, 486, 500, 513, 521,
528, 535, 536, 545, 572, 576, 597, 599, 613, 622
<223> n = A,T,C or G

```

```

<400> 437
cctgagaccc tcaacagtgc tgtgtgtaca gaaggccccc agaatccaca caaagggggcc 60
gcctgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactggtgga ttttaatgag agtcctgtgt ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagcagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggtcgg tacacgcttt tgtttgctta cgcttggtga acttgagttt 360
tttattttgt aactaacgaa tactggcaca tgatctgaac ctnttttgac actntttttt 420
naagcttgac ccagtggaag aaccttanga anggagaaac tcncccantc ttgccngggg 480
cacaanaatg atcattcttn aaaaattttc ctnggggagt naatgggnaa atttnncttg 540
ggctnttttt cccgattgaa gaaggaacct tnaagnaagg gtttggggac cccgaantnc 600

```

cggaacacccc ccttacctta tnttt

625

<210> 438

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 421

<223> n = A,T,C or G

<400> 438

```

ggtgttaata ctttcaaagt tcttacaagg gataaacgtc ttgtacccgg aggtggagca 60
acagaaattg aattagccaa acagatcaca tcatatggag agacatgtcc tggacttgaa 120
cagtatgcta ttaagaagtt tgctgaggca tttgaagcta ttccccgcgc actggcagaa 180
aactctggag ttaaggccaa tgaagtaatc tctaaacttt atgcagtaca tcaagaagga 240
aataaaaacg ttggattaga tattgaggct gaagtccttg ctgtaaagga catgctggaa 300
gctggtattc tagatactta cctgggaaaa tattgggcta tcaaactcct actaatgctg 360
cagtcactgt acttaaaagt ggatcaaaat catcatggca aaaaccagaa cttgcccggc 420
nggcggttca a                                     431

```

<210> 439

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 406, 427, 460, 462, 497, 499, 504, 513, 518, 527, 552, 553, 563, 572

<223> n = A,T,C or G

<400> 439

```

ccaagtcaaa attgggcccc gcgctctttct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatgggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtoogaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagcttct tgaacactgc 360
gcatcatggg aaggtgaaaa agaaaaaggg ctagttaaaa tcttgntttt ctgggggggcc 420
aacttangag gagcctaaag ctaacccttg ggcttgacan tntactttta ccttactaca 480
ctgtgcaatg aatgccnang ccanataaac ctnggccnaa cacctanggg aatcaaccct 540
ggggccgtct anngaccact tgnccaaatt gng                                     573

```

<210> 440

<211> 303

<212> DNA

<213> Homo sapiens

<400> 440

```

cggaaaatgg tgaagaaaat tgaaatcagc cagcacgccca agtacacttg ctctttctgt 60
ggcaaaacca agatgaagag acgagctgtg gggatctggc actgtgggtc ctgcatgaag 120
acagtggctg gcggtgcctg gacgtacaat accacttccg ctgtcacggg aaagtcggcc 180

```

```

atcagaagac tgaaggagtt gaaagaccag tagacgctcc tctactcttt gagacatcac 240
tggcctataa taaatgggtt aatttatgta acaaaaagaa aaaaaaaaaa aaaaaaaaaa 300
aaa                                              303

```

```

<210> 441
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 240, 273, 284, 359, 367, 384, 417, 424, 427, 436, 440,
441, 448, 451, 464, 476, 481, 487, 488, 509
<223> n = A,T,C or G

```

```

<400> 441
ccaacttata tgattttttt tttgtttttg tcgtgtagtt atggcactgt cttatttgga 60
acatttgcag ctagggataa tacaacattt ttaactntca ttgacaacc tactactaat 120
cacagaccac aagggtaatg accaaattta tgtggttttt gcactccata gttgtcttag 180
cccaatcttt ctatactctt acgattactt gggttaacgc ttctgtgagg accttctggn 240
tcttgagata ccctaaatat ttaagatatt tanatatctt gaanatagta taggatatag 300
agattgtacc aaataggaat ataaggagta ttgttaaaat gaccagatcc cgtttgatng 360
ttttacntga cctaaccaaa tgtntggaaa aaggaaatca aaaccttgga tttttcnggg 420
gttnatncct gggtncaan nccgaaangg ntcccgaana ggcnttcctt tggttnaaac 480
ngggaanntg aaacaaaaaa ctttgggtnt ttagaatcac ttttt                    525

```

```

<210> 442
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 442
ggagtttgca gtgagccgag atcgcgccac tgcactccag cctgggcgac agagacggag 60
agactccgtc tcaaaaaaaaa aaa                                           83

```

```

<210> 443
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 366, 382, 407, 433, 439, 477, 480, 485, 491, 502, 503, 509,
527, 539, 603, 607, 617
<223> n = A,T,C or G

```

```

<400> 443
ctggaggccc tgctgagctc cctgccccca ccccaaagcc agaaggaggc ccaagttgca 60
gccccgggtt ggagggagtt tgagatgaag cgaatggatc ctggcttctt ggacaagcag 120
gctcgctgcc actacctgaa gggtaaaactg aggcattctc agactcagat ccagaaattc 180
gatgaccaag gagacagcga gggctccgtg tacttctaag tgcccctgca gatgggcaga 240
gggatgcatg gggatgcagg tcctttgcat ttcttggtat ctctcagctt ttctctttgc 300
agctccccct accaggggtc gcttttctct ggattgcaaa tgccttttca gtttggactc 360
agcttntgac accctcttc angaaggcct accaccttta gaagtcnacc tgtgggcaat 420

```

```

gtgggtaccc tgncaagcnc aaaaaaaagt ataactggga gtgccaggg ttaaaaaan 480
aaatnccacc ngaacttggt cnnaatgang caccttaaaa attgttnccc cgaaaattng 540
ggcatggatt ccgtggaagg aacaaccctt aaacccaaaa agggcaaaact ggccggggggg 600
gcntttnaaa gggcgant 618

```

```

<210> 444
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 362, 364, 379, 388, 408, 412, 415, 423, 428, 429, 445, 446,
447
<223> n = A,T,C or G

```

```

<400> 444
ccactttctt tccacactgg gaaggcggca tctatgactt cattggggag ttcatgaagg 60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
cccgtgcat tcccctatgg gtccggagccc ggggcattga gtttgactgg aagtacatcc 240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggctct 300
ggatgataac acgctatgat ctgtaccaca ccttccggcc agacctgccg ggccgggccgt 360
tnanggccaa attcaacana ctggcggncg gttactagtg gaaccanct tnggnacca 420
acnttggnt aatcattggt catannntgt ttcc 454

```

```

<210> 445
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<400> 445
aaatgacgaa actcagcggg aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaagaa gaaaactgga gtttccagtc tctgagttct accgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattaagt ccaaaattaa atttt 345

```

```

<210> 446
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 358, 366, 372, 391, 401, 421, 434, 436, 438, 444
<223> n = A,T,C or G

```

```

<400> 446
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240

```

```

gagtgcggga aagccttcag ttcttccagt tcctttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct tgttctctc 360
tggaangaca tnaaaactta ccttggggga naaaaccctt ntgaaatgta aaaatggtgg 420
naagcaactt tgtntntnaa ggtnttaa at g 451

```

```

<210> 447
<211> 592
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 332, 399, 440, 452, 460, 477, 486, 492, 505, 515, 516, 546,
550, 559, 564, 571, 582
<223> n = A,T,C or G

```

```

<400> 447
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtagctgggg agggcttctg atgctcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tccactgta tattgcaact 240
tgatcgtagt aaagaccgac agcaaaggat acagccagtc tcgcctctgt gaagtgttgc 300
agagaacctg gagagtgtta atgaaaagct gntttaccaa aaaagttgcc acgggcaacc 360
tcatatactt taggcttatg tttagaaaag agcaagggnt gctacttggg agacacttgg 420
aaattccaaa gtgtttttgn gaataaaaat gntgtttatn gtaacttaag ggaaaantcg 480
taattinggac ancaaacatg gtggnttttc atgttinnatga agttagacaa gctgactccc 540
tcctanaaan ctacctttn gcentttttg ngccaaatcc cntgaagccc ac 592

```

```

<210> 448
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463
<223> n = A,T,C or G

```

```

<400> 448
aaaggatattt gctcattggg ctggccttaga gacaggaaga catatgagca ataaaaaaaa 60
gattctttttg cattttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgtttg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtgaaac 180
acaggaacaa attctctaag agactgtgtt tcttttagttg agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaaac taaacagatc acctttgaca tgcgtttagt 300
agtgggaata agagaggggt ttttattttt tcgtncatac cgagtnttga ttgaagatga 360
ttcctaaaaat gctaaatgna aatatattttg cttcccaaan ggnntttatt tctgncctttg 420
ggngatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccttttc 470

```

```

<210> 449
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature

<222> 390

<223> n = A,T,C or G

<400> 449

```

aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccacctgtga gaagatggaa 60
tcatggatgc tgccaatttt gagcagtttt tgcaagaaag gatcaaagtg aacggaaaag 120
ctgggaacct tgggtggagggt gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180
catccgaggt gccttttctcc aaaagggtatt tgaatatatc caccaaaaaa tatttgaaga 240
agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt taccgaatta 300
cgttacttcc agattaacca ggacgaagaa gaggaggaaa gacgaggatt aaatttcatt 360
ttatcttgga aaatttttgt atggagtten ttggaataaa acttgggaac ccaaatggg 420
tgggtttatc cctt                                     434

```

<210> 450

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 506, 513, 518, 521, 526, 535

<223> n = A,T,C or G

<400> 450

```

ccacagctaa catcattgca gcacctttac tccttcgggt gtgatccaat ctccagctca 60
cttctttttg ccagcaccaa cattggcctt tgcagtcctc ctgactttct tcattctgtt 120
cttgcgttcc tttcggttgc ttcttgaggt ctttttcttc tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat ttttctttgc ataatacagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaga tgacatccgg 300
tgtggtcttg tacatttttg ctagtttttc ccgaatttct gtcttaggca ctgtcgcttc 360
ccggggtgaa ggacatcaat gaccatttgc ttctctgaa gtagtcgggt ggtcatgaac 420
tttctagtgc ggatagttac cgggggtcgac ctcggcgcgc aacacgctaa gggcgcaattc 480
caacacactg gcgggcccgtt actagnggat ccnacttngg nccaanttgg cgaanaatgg 540
cataatgg                                     548

```

<210> 451

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 392, 397, 402, 406, 413

<223> n = A,T,C or G

<400> 451

```

aaacttgtga taggcatatc tatgaaacct ttgtaaatth agttttattgc tttaccatta 60
ttttactagg taaaattaga gaacagatth tgttctctaa tttttaagcc ttattttacat 120
atgcagaaac agcttaataa ttttgactag attagacaaa cagttaatag atccaccatt 180
aggaatcaat atattatgtc ataataaaca tcctttttct ttcactgaaa tttcttttag 240
aaataaactt atttttgctt gttatgtttt gaaacttgac ataggatatt ttccctctgg 300
ctacacattc acctaccctt gttctctatt tagattatc aaataaagtt agtttgcttt 360
tatagtcaaa aaaaaaaaaa aaaaaaaaaa anttggncct cccccngggg gcnttaaaag 420

```



gggaaa

426

<210> 452  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 305, 310, 313, 315, 334, 336, 343, 352, 357, 362, 373, 377,  
 380, 392, 396  
 <223> n = A,T,C or G

<400> 452  
 ctgtctcagg atccaaggaa cgtttgggtt ttcttagcta catctggtac cttggctggc 60  
 attatgggaa tgaggttcta ccactctgga aaattcatgc ctgcagggtt aattgcagg 120  
 gccagtttgc tgatggccgc caaagttgga gttcgtatgt tgatgacatc tgattagcag 180  
 aagtcagtgt ccagcttgga ctcatgaagg attaaaaatc tgcattctcc actattttca 240  
 atgtattaag agaaataagt gcagcatttt tgcattctgac attttaccta aaaaaaaaaa 300  
 aaacnccaan ttngncggag gggggggaaa tcantngtaa ccnttttaac cntacanaag 360  
 gnggggggagc ttntaanatn gaccttattg anaccntctt aaaaaccatt 410

<210> 453  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 ggaacagctt atgtggtcta tgaggacatc tttgatgcca agaatgcatg tgatcaccta 60  
 tcgggattca atgtttgtta cagatacctt gtggttttgt actataatgc caacagggca 120  
 tttcagaaga tggacacaaa gaagaaggag gaacagttga agcttctcaa ggagaaatat 180  
 ggcattcaaca cagatccacc aaaataaatg ttttctacat tttcatttgg actaaatccc 240  
 acgaatgaca actaccacct ttttttccct ttttaattaat actaaatatt gtgatttctt 300  
 atttgaggtt caaaatgacc tgcttgaaac tttgatacat attggaatac attatgttaa 360  
 taaacttgta gctttttgtg aaact 385

<210> 454  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 398, 416, 421, 423, 429, 443, 450, 460, 465  
 <223> n = A,T,C or G

<400> 454  
 cctttataca catatgtcta cacataggga tttggatgat ctcgggatcc cacatcctcg 60  
 ctgtcccttg tcccccgca acatcccca ccaatacctt tctgaagttt tctagtccct 120  
 cctttttgtt tgtgctcctt aaagcccagc cccatgcctg actttgggtc ccagttagca 180  
 ttgtacattt gtggatatta aatctttggc aaagtcatct acctgggctg gaatagggtc 240  
 cttggctgat tctttttcct aaacaccac ccaatgggag aggctgatac tcaacatgca 300  
 aaccttgtgt tttatttctc caggcgaagg gatgttggaa gacattctgg aaggggtggg 360  
 gtgtgaagat ttacaaataa tctttgaata tctgcttnat gataggctct ggaggngcct 420

ngnggggtgng gggtttggggg ganggggtacn aggaaattgn ggatntt

467

<210> 455  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 497, 530, 542, 543, 558, 592, 600  
 <223> n = A,T,C or G

<400> 455  
 gctncaattt caatgagacc ttttgcattt tttctcaaag cccttatggt ctaacccatg 60  
 agaaccattt tacctgccct ctaagggccca ccagcttcga cctgcctcag gagacagcag 120  
 cacagaccag tggctccctg tccaaggccg cagagcagac gccatcccac tgtacaatcg 180  
 aatttgctgg acaaacttga taggtttctc tgcttagcaa cgagcctata gttagttggc 240  
 acatctgcgt tttggcatct gaggctccca tctgagtgga ggagaaagtg ttgtgtttat 300  
 tagcaggaag tcttgtgaaa acagctcgct gctgtgtatg tttatggatt tttctgatat 360  
 aacaagccag catggttacc gagtggtaga gattctcgaa cattctcaa ctctctttt 420  
 tgggtaaatg aatggtgctt aaaaataaaa tttattaata aagaagggga aaaaggagta 480  
 actctccctg actaaangta ctctaattaa ttatttcttt ccaattaagn aaaccggaa 540  
 gnntgatttc atcaccnnaa aatttttgaa ttttagggaa ccttttgccc cnaaagatcn 600  
 t 601

<210> 456  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 456  
 ccttacatta gaagccaagc caatcctttt tccttttttt ggaggtccca ccgagataga 60  
 taggaacttg gattgctgaa ttcaaaaaca gagccattc ttaagatcac ttggtgcctt 120  
 aaagacacgc attccaaagt ggaatgtggt tgaagaaagt gggccagggtg gttgaagaaa 180  
 gccatgtggg agctcagcaa atcccaaggg cttattatga cactccagat ggtctcctta 240  
 gcattctcagc tcttctgcaa ggaagagctt gg 272

<210> 457  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 394  
 <223> n = A,T,C or G

<400> 457  
 aaaattttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60  
 gaagatgaga gtggataccg gggaaagtcac tagaagtatc tgtactctt ggctggacag 120  
 caggctgcaa acatattacc acttgatgga ggcattcatgc tctggctgca atccgtgtgc 180  
 atcaggtacc agtaacaaag tggtagtgag aaatatcctc atgtcacata gatctcaata 240  
 tgccattggt caaggaggtt gtccagaagg aaattaggac gttatcaagg atgaagctat 300  
 agtaaaaata ctataaacia acctttcttg atgaggctta agggttattt agaggagtat 360

aaccttaaaa ataaagatga aaaatttatg aacngggctc ttgttttcat gatgagagag 420  
tcgtgcagtc c 431

<210> 458  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 425, 490, 506, 526, 540, 541, 555  
<223> n = A,T,C or G

<400> 458  
aaaaacatta cttgaattag gattacacaa aaaaaactaa attctaagtg agcacaacta 60  
tcgctgagac cctgaaattt caggaaataa acatggttca aaactcaaac tgttcatcaa 120  
aataattacg caggtcagcc accactgcag aaccatcact gctcagagga attgagtcag 180  
caatgactga tctcatcacc tcttcattag cacataagcg gttcaacttg ggatacgcaa 240  
ggagtctctg cagaggtagc aaaaatttat ctccaacaca gaagggtgtg ggagagttct 300  
ctatcttggc cttctcaacc tctgtgaaga ctgggtccaaa gcatgggaca ggggcctttg 360  
agccaccaat gtctttgggc ttatcaccoc gttccccagc ctgttctttc cgcttggcag 420  
gtggntcact cttaactttc acttgttggg acacctcatt accacacaag tttacctgcc 480  
cggcgccgcn tcaaaggcga attccnccac tggcgccgct actagnngat ccgactcggn 540  
nccaacttgc gaaanatggg catactgttc c 571

<210> 459  
<211> 509  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 368, 382, 394, 416, 419, 421, 436, 443, 452, 453, 462, 463,  
478, 492, 501, 502  
<223> n = A,T,C or G

<400> 459  
aaaaagagca cattccattc tgggtgcacac aaatgtacat taaaaataaa ataaaaaagt 60  
gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctcgctggca aatgattcac 120  
aaccaaaaca tttctgggat atgtgactta aggaataaaa aaactcagtg ttttataaaa 180  
gggaatggca ggatgaggaa atgattttatc aagatacaat ttactaata attacttctc 240  
aaataactta aaaatgtttt ataacaaaaa atcaaaatga aacaaaactt ggtagttgaa 300  
tataagtatt ttcaactgtt acaatacttg aggagatttt tcggtctaata ttctcagaaa 360  
ttaggccnaa agaatagctt tntttaacag aatnctaaaa aaatttcaat gtgaangant 420  
natctaggat tacaanactt atnttttaca annacatcca tnntttctta aaatttantt 480  
gttaggggtc tnaagttaaa nnaagccttg 509

<210> 460  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<222> 247, 248

<223> n = A,T,C or G

<400> 460

```
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaatttt attaatagga ttaattttta ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgcttttttag taaatttggt tttctttgca gatatgaggg aaggcaccat 180
tgagatatg gctatcctgg gtataacaga aagttttcaa gtgaagctac aggttcttct 240
gagtgcnnct gaa 253
```

<210> 461

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 396, 480, 501, 510, 534, 535, 545, 546, 555, 561, 564

<223> n = A,T,C or G

<400> 461

```
ccagccctc cttgttccag ccggtggtgt gacttcgttg gttgaggtgt gtctccaacc 60
tacatcagac catgaagttc aaccctcca gggaagctcc tgatttcccc tgcataattg 120
aaaataggat atttctcagc tattgaacag ttactaattt atgggggtgga aacagcatta 180
agaatactga atcaaagtga aaaacaaatg aatacaggaa gataagtgtt cgttcttttc 240
tgaaaaagag tatgtgtacc acaagagctg gttttaattg ggtgaattgt ttttgtcctc 300
attctgtaca gaaatttgta tatatgatgg ttcttagaac ttgttttaat ttttgtggtc 360
cttctgttta ttataaatag gcgtccacca atgatnattc catatgtgtt ctttaatttt 420
aactgctgga agtggttaaaa cacacacaca cacacacaca cttttttttt ttgaaactcn 480
aaagtcctga aaaatttttg nggaaaaatn atttttactt gcccggggcg gccnntcaaa 540
aggggnaatt ccacncatgg nggnccggt 569
```

<210> 462

<211> 402

<212> DNA

<213> Homo sapiens

<400> 462

```
ctgctgtttt cctggaatag tccttgagta atcccgagc tacttgagga gttccatctc 60
aatggccccg ccaccagcca ccaactgaatc attcttgatg gccctcctga cgatcatgat 120
ggcatcatgc agggaccgct ctgtctcctc cataaaactgc tcggcgccgc cacggagaat 180
gaaggtgcat gtcttggcct tggggcagcc agtaaaaaaa ttgtacctct cgcctccaat 240
ctgggtctct tcaaacacct ggcatcgacc cagcacatct gctgacagag cattcacact 300
ggtctggatt gagcctccac aggccatcat tgtcctcttc agatcctcct caggtactcg 360
gccagcacag aacatgtccc tgtcagcaaa agtactgggt gg 402
```

<210> 463

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 359, 444, 469, 478, 503, 504, 510, 539, 554, 561, 563

<223> n = A,T,C or G

<400> 463

```

aaatTTtGta gccattctta tgatgctctt gatttGttgg ttacacaaat caatTTttatt 60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagttgcta caaaggtaaa taatggagag atttggtaga aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa attacctgag gagtgtaatg 240
tttatttttt tgtgtatatc tttgcaatct attttatata tattgacaaa agagactgtg 300
aaataacttag ccatgcagaa tatgtgacca gaccagagca tgtgtaggaa gactttacng 360
taatcattaa ctctccccga aatgatggac tacaagttat aatgtgtgtt acctacactt 420
caatcagtaa tattagcaaa tctncaaatg ttagtcacat tgggttggn ccccttgnac 480
atctttattc atggatttac aanngcttgn actggggggg cctttttaac ttggggccgna 540
accccttaa gggnaattcc ncncactgg 569

```

<210> 464

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 213, 217

<223> n = A,T,C or G

<400> 464

```

aaataaattc acacaaagaa agagaaatag aaagcgacgg tagtgaccag caagaggaat 60
aataattaca ttcatcttaa tgtgtgtgtg ccagttctgt ttacattaac attggaaaac 120
tccagacctg gaatccagaa cctcaaactc gtgagtggaa tgtcttgaga tgggcacgtg 180
gaagtcaaag ggtttctctt tttttttttt tnttttnaaa a 221

```

<210> 465

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 371, 421, 476

<223> n = A,T,C or G

<400> 465

```

cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcaggtcag 60
agccacctac catggaagtt tcagtacaaa1 gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaagggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatTTtgat cacagaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaacccgga ntcacagtg tgatgggaac ctaacgtggg tggacctcgg ccgcgaacac 420
nctaaggcga attccagcac acttggcggc cgtacttagt gggatccaac ttcggnacca 480
ac 482

```

<210> 466

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 136, 166, 172

<223> n = A,T,C or G

<400> 466

```
ctgcttggga ggctgaggca ggagaatcac ttgaaccctg gaggtggcgg ttgcagttag 60
cacagatcat gccactgcac tccagcctgg gcaacaaaac gagacttcgt ctcaaaaaaa 120
aaaaaaaaaa aaaaanaccc tcgatttttg cccttggggg gggttncccc antttttttt 180
gggggggcat gg                                     192
```

<210> 467

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 368, 423, 429, 438, 450, 451, 471, 477, 481, 482, 483

<223> n = A,T,C or G

<400> 467

```
cctgctcgct gggcaagaca taccatgttg ctgtggtctg ctacctgagg tctcaggtca 60
gagccacctt ccatggaagt ttcagtacaa agaaatctca gccccacct ccacagccag 120
caaggtcagc ttctagtcca accatcaatc taatggtgag cacagaacca ttggctctca 180
ctgaaacaga tatatgcaag ttgccgaaag acgaaagaac ttgcagggat ttcattattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatttggc ccagaaagaa tgtgaaaagg ttgcgctctg tgttgccaac 360
ccgcatccta atgtgatggg acctaacgtg gtggactcgg cgcaacacct aaggcaattc 420
acnctgcng gcgtctangg atccactcgn ncaacttgcg aatatggcta ntgttcntag 480
nnnc                                             484
```

<210> 468

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 26, 374, 392, 415, 427, 442, 449, 450

<223> n = A,T,C or G

<400> 468

```
agaattcccc ttcgagcggc cgccgngcag gtaaaggaaa cacaacctat ttgtgggagc 60
ttctttttaga tctacttcaa gataaaaata cttgtcccag gtatattaaa tggactcaga 120
gagaaaaagg catattcaag ctggtggatt caaaggctgt ctctaagctt tggggaaagc 180
ataagaacaa accagacatg aactatgaaa ccatgggacg agctttgaga tactactacc 240
aaaggggaat tcttgcaaa gttgaaggac agaggcttgt atatcagttc aaggatatgc 300
cgaaaaacat agtggcatag atgatgacaa aagtgaacct gtatgaagat tagcaggact 360
ctgtgaaaaa cttngaacga gtgacctgctg cnaaagctct gaacacatct tgtcnaggga 420
aaatctncct tactgtcaac anaaagggnn tgatggattc tcttgccag tttcagtcct 480
tcctgttg                                     488
```

<210> 469  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 286, 368, 392, 403, 408  
 <223> n = A,T,C or G

<400> 469  
 tgcagaattc gccctttcga gcggcccgcc cgggcagagt ccattaaagt gctggaaatt 60  
 ttcttaatca tgataacatt tgttaaaaag aaatcagaac taatatcagg aacatggcgg 120  
 catgaaggaa acagttccct tacaaaacac agaaaatgga agccctcat gttgaggggg 180  
 tgggttgac aatttgcaaa cagattctaa tttcctctcc cgtcagcacc aaactggctg 240  
 ggaccaccac ccctgggtga aagaaacaac actaaagaac cctaanaaca cccacacacc 300  
 ctgactccac cacctctggg catctgtggg cgtttgcttg tttgaacaga tccagtctca 360  
 ggaaaganga agacctgcct cggcccgcacc cnctaaggcg atnccacncc tgccggccgt 420  
 ctagtggatc gactcgtcca acttgcgat atggcatgct gttctgtg 468

<210> 470  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 50, 154, 212, 213, 250, 252, 272, 278, 281, 300, 304, 311,  
 326, 327, 334  
 <223> n = A,T,C or G

<400> 470  
 cagaattccc cttagcgtgg tcgcggccga agtctgcaat tacatcattn tttatctatc 60  
 ttctgctttt actttgtgta gggtagggat ggggacttac aaatgggcca aagacattc 120  
 aacctcaaaa ccaaagagaa atctctgctt gcanagatac aaagaaagta actctccctc 180  
 ttatgaaaag caaccaggaa ctctactcca cnnatgaggg cactgatggg gtgggagagc 240  
 tatcaagaan antcttcta cacgtggcgc gngagacngt nagaactctg aaatcacatn 300  
 catngacact ngctcttacc atcatnnac tctnttgat c 341

<210> 471  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 313, 350, 370, 379, 383, 384, 391, 400, 401, 405, 428, 472,  
 491, 493, 508  
 <223> n = A,T,C or G

<400> 471  
 cagaattcgc ccttagcagt ggtcgcggcc gaagtctgag cgatgataga tatcatcatg 60  
 cactgggtcgg atatgtgccc tctggaaaga gatcagcctg gttccccagg gggatccatg 120

```

tcatatgcct ggtatacaact ttgtggttca cgtacagttc gttgggggtca gaggaatctt 180
tagcagcatg ggggttccga gtgcatctga cctggagacg aaactgtaga gtatctatct 240
ctgtgccttc ttcatctcct tggttccgat actcaaaaag acgggggatca gcatgaatgg 300
gaatgagccc canacggtga gcaagaatct cattctgaca atggatgatn attgtcccag 360
gaccttctcn cagccatant ggnncctcac ntacaaattn ncganagcat tgccatgggtg 420
gtaatccnca tgcaactcag gagtttatcc tgtgtctcat cccccgaatc tntcaagcgc 480
ctgtccagct ntntaccgat agccggang 509

```

```

<210> 472
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 19, 31, 360
<223> n = A,T,C or G

```

```

<400> 472
cagaattccc ctctgagcng ccgccgggca ngctccagcaa gtcaagtggg aatcaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gttccttttg gtccatatct 120
ccatgcatgg cggatacagt gaaatctcga gcatgcatct tctcggtgag ccagtccacc 180
ttcctccggg tgttgatgaa gatgactgcc tgggtgatgg tcagggtttc atacaagtca 240
catagtgtgt ccagcttcca ctccctctcg tccacgttga tgtagaactg gcggataccc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc 370

```

```

<210> 473
<211> 80
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 25, 45, 50, 55, 66, 67, 68
<223> n = A,T,C or G

```

```

<400> 473
cagaattcgc cttagcgtgg tcgngccga agtcaagctt tttnttttcn ttttncttcc 60
caaaannntt tttttttttt 80

```

```

<210> 474
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 394, 399, 402, 410, 414, 423, 429, 431
<223> n = A,T,C or G

```

```

<400> 474
gcagaattcg cccttagcag tggtcgcggc cgagagctctg acctgacttt gctttaagtc 60
attctttttt atgccagcac tgtttgaaag tgcatgtcaa gcggctagct ccacatttgg 120

```



```

tcttcgaaag ggaaacgcat gcagttaaaa cgtaatgtac atgatggaat tgggaggatc 180
atagtctcag tttccccccc cctttctccc atctaggaga cctccatgga ctgcagcaaa 240
attaaaaata aagcacagac aacagaatta ttcttctactg agagagttta atatgcgttt 300
ctaacaccat ctatacttgc tttgttggtt ttgaagcatc aacacacatt ctgggtattcc 360
agactaaagc tcttgtggtg ctactcngtt taanagatna ancatactan cttnctgtttc 420
agnagttnnt nttaattttc cctactctta gtcagggact cagaaggatc agcgctggat 480
aaccatagaa gtccagttaa ggaaaagcca cg 512

```

```

<210> 475
<211> 61
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 26, 28, 33, 37, 45, 49, 51
<223> n = A,T,C or G

```

```

<400> 475
gcaaaaattc gcccttaaag agagtngngg gcncgcnaac acaangcang ncgcgcccc 60
c 61

```

```

<210> 476
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 337, 387, 392, 407
<223> n = A,T,C or G

```

```

<400> 476
gcagaattcg cccttagcag tggtcgcggc cgaagtaaac ttcagctcag tttcttaacc 60
aagaaccacg tcaaccctcc agggttgtgg tttgtatatt tgcctttaag cattatctcc 120
tttccaccaa gaagcctact taggtttaac acatgaaggc agtgtctaaa aattagatcg 180
gtcctaaatt ggaatgggat gtcttccttg catgtcccat accagggat tttttaaca 240
cacagtgtag agcctttgcc agagatgttg aaagggagat taaaggcttg agggatgaat 300
ttgatcatca ttcttaaagt ccttcaatcc tgtgatnctc tgattccctg agtctcgtta 360
ttttggacat gcttagccag taccagngac cngccgcttt tggtagnttc cttgatacgg 420
agagctatac acatgccttg t 441

```

```

<210> 477
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 25, 311, 322, 327, 343, 351, 352, 356, 362, 369, 371, 383,
397, 400, 406, 408, 420, 426, 430, 433, 458, 460, 461
<223> n = A,T,C or G

```

```

<400> 477

```

```

gggtaaagcc atttacataa tatangaaag atatgcatat atctagaagg tatgtggcat 60
ttatttgat aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc 120
agctcaaaag aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact 180
gatattaaac ctaaagtgtc tgctaccctg ttggtataaa gatattttga gcagactgta 240
acaagaaaaa aaaaatcatg cattcttagc aaaattgcct agtatgttaa tttgctcaaa 300
atacaatggg ngattttatg cncctgncgc tataacatcc ctntttcatg nngatncaat 360
antgagtant ntagaacctc ttntaggaat tatagtngcn cagaananct tgtttcttgn 420
catggncaan ttatctttg ccttgggggg acgccacngn nggtcggccg 470

```

```

<210> 478
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 31, 32, 40, 54, 68, 80, 89, 93, 99, 106, 107, 114, 118
<223> n = A,T,C or G

```

```

<400> 478
tggaggtnng tgctgtgaa gtccatccgt nntctccan tcctcttgat catnatgaca 60
ttgttcnca aagaaatcan aactttcgnc atntccggng ggcgcnngaa tganacanct 120
ctc 123

```

```

<210> 479
<211> 63
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 29, 42, 45, 49, 52
<223> n = A,T,C or G

```

```

<400> 479
ggtcaccngt tcaccaggcc gtgtggccnc cctctcacga tntgntgant tncggacat 60
ttg 63

```

```

<210> 480
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 319, 321, 326, 337, 349, 384, 388, 399, 408, 421, 432, 440,
450, 457
<223> n = A,T,C or G

```

```

<400> 480
aatcatatcg gacaaacaac tttaaaca aactggatta gtaggatttc ttgcctgctt 60
aactaacatg acagacttct tgtcccaagc ccttctcaga aaaacctcat gtggaaacca 120
agctagagat aagaattctt cctgatgca gttaggggaa agggaaaggc tagaaacttc 180
tttggcaagc aattccacac acagccattt atgtgtgagt gctctgcttc aagcacagta 240

```

```

cactctttgc agggacggcc agatgttcag agtgggagtg gtcttttcaa ccagctaaaa 300
gtgcagaagt catctagtng ntgctnttcc actgcentgc tgcagcttna gaactttaac 360
acccttggct gaatttgagt aaancagntg actggtgcnt ggggctcntg aaaggaatgg 420
ngggtggacc gnaaccccan ctgatacctn aagattnggg aagag 465

```

```

<210> 481
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 263, 272, 333, 335, 338, 349, 358, 360, 377, 389, 395, 403,
408, 415, 416, 421, 428, 431
<223> n = A,T,C or G

```

```

<400> 481
aaaatttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg ggggaagtcac tagaagtatc tgctactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcacatgc tctggctcgca atccgtgtgc 180
atcagggtacc agtaacaaag tgggtactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggg caaggagggt gtncagaaaag anattaggac gttatcaagg atgaactata 300
gtaaaaatct attaacacc tttcttgata agntnaangg tatttaaang aggtaacntn 360
aaataagatg aaaattntga ccgggggtnt tctnttgaga ganactgnag caccnnccgg 420
ngccgtcnaa ngggatccac ccttgcgtgc 449

```

```

<210> 482
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 270, 315, 319, 320, 335, 367, 374
<223> n = A,T,C or G

```

```

<400> 482
atctcttctt cctcaagagt caagctnngc tcccttcttg cggcccaagg gcagcgcata 60
gtgggactcg taccactgtc ggtacgggtg gctgtcgatg agcacgatgc aattcttcac 120
cagggtcttg gtacgaacca gctcggttatt agatgcattg tagacaacat cgatgatcct 180
tgttttacga gtacaacact ctgagcccca ggagaaattc cccacgtcca acctcagggc 240
acggtatttc ttgttacctc cccgcacacn gactgtgtgg atgcggcggg ggcaatcttg 300
gtgttggcaa cctcngccnn aacacgctta gggcnattcc acacactggc ggccgtacta 360
tggatcnact cggnccaact tgcgtaatat ggcatactgt t 401

```

```

<210> 483
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14, 137, 165, 166, 203, 214, 217
<223> n = A,T,C or G

```

<400> 483

```
ctgagctcgc ctgnaccaca agtttgacct gatgtatgca aagcgtgcct ttgttcactg 60
gtacgtgggt gaggggatgg aggaaggcga gttttcagag gcccgtagg acatggctgc 120
ccttgagaaa gattatnaga gaggttggag cagatagtgc tgacnngaga ggatgagggg 180
gaagagttaa acctgtgcgc tgncttttac actnctntgt ttggaactgt 230
```

<210> 484

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 36, 293, 397, 415, 416, 439, 450, 462, 486

<223> n = A,T,C or G

<400> 484

```
gcagaattcg cccctttcgag cggccccgcc gggcangtaa aaggattttt atctttcgtg 60
ataaactttg ctgtgtacca ggaactataa aaacaaaaac ttgttactaa agaaaatatac 120
tgaaatgtga taagtcttta tgccatgtta atttcatgtg tcaacttcaa catttacatg 180
tattatttca ttatgtaaaa tgttttagca atttaatat ttgcacagtt agcaaacttt 240
gtatgtcatt tccttcaagg catcatgcag agttgacatg agatttataa ggntttaagt 300
tgtttgcatt tgaaaatcaa atacatactt tggtagcttt gaatacaaag catctgctct 360
tggtttcaag aattttgaga cacaagtgg atgtaangaa tatattaatt gccgnntcta 420
ggagattgct caaaagagna atcacttatn tgtcaatgat antggaactg ggaattcttt 480
gtgcangttg gagtcatt 498
```

<210> 485

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 192, 263, 275, 288, 291, 347, 354, 365, 379, 385, 395, 413, 422, 445, 446, 458, 473

<223> n = A,T,C or G

<400> 485

```
gcagaattcc ccttagcgtg gtcgcggccc gaagtccatt gtctgtgaag tagaggggaat 60
cacggagaga ggagccaagg ggggaagccag tcgccggctt gaagagtggg gaggtgaagt 120
ccacggtcct cctgacgaac tccaggtccc cggcgctgc cccatagggg aagagggaaa 180
ctcctctctc angcaggatg gggatggggg caggtgaggg gctcacagcc tcgcgaaggt 240
ggagaagggc aggggcagga gangctgcg aggangggca cgggtgcanca ngccgtgggg 300
actgcatgca ctctcctggt gtcacatgcc cacagcacct cgtgacnaag cacngaccca 360
aaagnggggt gtcgtgctnt gccngattt actcnttgtc aaaccgggta ccntccaatc 420
tntggetgct ggccctgcct tttcnntttc atggtggncg gccctgcttc cancttcctt 480
ttctttcatg g 491
```

<210> 486

<211> 518

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 22, 33, 60, 348, 357, 384, 408, 423, 446, 448, 491, 510, 517  
 <223> n = A,T,C or G

<400> 486  
 gcagaattcg cccttagcgg cncgcccggg cangtgggat cgcaaggctg aggatgccan 60  
 agaggggacta tgaaaaagcc atgaaagaat atgaagggga ccgagggcag tcttctaaga 120  
 gggacaagtc aaagaagaag aagaaagtaa aggtaaagat ggaaaagaaa tccacgccct 180  
 ctaggggctc atcatccaag tcgtcctcaa agcagctaag cgagagcttc aagagcaaag 240  
 agtttgtgtc tagtgatgag agctcttcgg gagagaacaa gagcaaaaag aagaggagga 300  
 ggagcgagga ctctgaagaa gaaaactacc agtactccca cagctcanaa gactcancgt 360  
 caggatccga tgagtagaac ggangaaggt ctctttcgtc tgcctttnac ccccccgctc 420  
 ccnccatttt tgggccagtt ctctcntnaa tgcctcctgg ttctggcctc tgacatctct 480  
 ctgtggtgtg ntgcctaggc agggggaacn ctacttnt 518

<210> 487  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 331, 386, 403, 410, 417, 433, 441, 518  
 <223> n = A,T,C or G

<400> 487  
 tgcagaattc gcccttagcc gtggtcgagg cccgaagctg agagaggtgc ttctattgat 60  
 caaagccaat ctttgaacat ccacattgct gagcctaact atggcaaact cactagtatg 120  
 cacttctacg gctggaagca gggtttgaag actgggatgt attattttaag gacaagacca 180  
 gcggctaata caatccagtt cactctaaat aaggagaagc taaaagataa agaaaaggta 240  
 tcaaaagagg aagaagagaa ggagaggaac acagcagcca tgggtgtgctc ttgggagaat 300  
 agagatgaat gtctgatgtg tggatcctga ngaaagactt ggaagaacca gcatgtcttc 360  
 agtagccaac tacttcttga gcatanatag gatagtgggt tgnttgaggn ggtaagnttt 420  
 gctggccctg ttnaggcaaa ngagaattga ttacctgcg gcggccgtca aggcgaatcc 480  
 accactggcg ccgtctatgg tccactcgtc caactgcnt 519

<210> 488  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 310, 361, 388, 394, 400, 401, 404, 424, 426, 432, 465, 467,  
 470, 482, 491  
 <223> n = A,T,C or G

<400> 488  
 gcagaattcg cccttagcag tggtcgaggc cgaagtaaaa tactttatnt agccaaatgg 60  
 tttcttgaat cttagctaca gagaaatttt tacattaaag aacatcatga ttatcacaac 120  
 aacttactta gcacttgcgt gtactaagtg ctgcactaag acattgtagt ttccagtgtc 180  
 ttgaaccaac ctgggaaaaa tatcagtggg gagggttcag tgtttgtata tggaggatgg 240

```

tgcaaactga attattccca taaagctgct tggtaattcc agagaaagca cacagccacc 300
ttctcattan aaggagggtg gggataggtg ttatggtgaa aaactgagat gctgtggatc 360
nagggcagaa gacctaaaga aatctctntc ctnttgagcn nccntgtgga ggactcgacc 420
tctncnatgg gntctgggagg acatcaggcc atttcttcga tgatntngan cccagaggag 480
cnccttgagc nggtaataat tg                                     502

```

```

<210> 489
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 349, 381, 429, 440, 452, 464, 467, 479, 495, 506, 507
<223> n = A,T,C or G

```

```

<400> 489
gcagaattcg cccttttcgag cggccccgcc gggcaggtaa aggaaacaca acctattttgt 60
gggagtttct tttagatcta cttcaagata aaaatacttg tcccagggtat attaaatgga 120
ctcagagaga aaaaggcata ttcaagctgg tggattcaaa ggctgtctct aagctttggg 180
gaaagcataa gaacaaacca gacatgaact atgaaaccat gggacgagct ttgagatact 240
actaccaaag gggaattctt gcaaagggtt aaggacagag gcttgtatat cagttcaagg 300
atatgccgaa aaacatagtg gcatagatga tgacaaaagt gaacctgtnt gaagattagc 360
aggactactg atgaaaaatc ntagaacaat gcctgctgca gaaagctctg aaacacatct 420
ctgtccagng gaaaaatctn cctatactgt cngacagaga agngnantag agtgtgatnt 480
ccttctctggc cgatntttac agctcnn                                     507

```

```

<210> 490
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 384, 397, 405, 415, 417, 439, 467, 470, 478
<223> n = A,T,C or G

```

```

<400> 490
ccaattatgc ccctgcaaag aacaggaaga agactgctgc aggcagggca tcagtggttt 60
ttgtggacag aacctgggat ctacacaggag cagttggaca tcatggagac aacttagtag 120
agaagatcat ttcagcactt cccagctccc aggccacaca aatgatgtga tggttaacat 180
gatagcgctc actgcactcc atactgagga ggaaaattat aatgtggttg caccaggctg 240
tctttcaciaa tccagtgaca ccacagccaa agccctatgg gaagctttct gaacactaag 300
caciaaagaag cagtgatgga agttcggaac atctantgga agcggcagca gagaaacctg 360
ccatcagatg agtatgggag agtncaccgg acagctntgt ccttnttcac tcttnanaca 420
cctaaactct atgaatatng tggctctcac ttgactggac tgccggngcn taaggcantt 480

```

```

<210> 491
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> 301, 421, 429, 463, 464, 469, 474, 475  
 <223> n = A,T,C or G

<400> 491  
 agttgtcata atgcaaattt tatttttgatt agtttttgtg actcctttat cttaaaccce 60  
 gcgatgcttg ccacttccca aggtgtaaaa atgtgaagat taaggtaaac tgaatgtcga 120  
 ggagtgtaaa gagatggcaa aacacagata aaaacatcca aaaagcctct gggggcaggt 180  
 caagcttatg attcaacagt tagaaaacca aaattacttg gacatcccct tctacttaaa 240  
 gtgatatact ggaattgaaa atattaactg ttagtttttag aaactaagat tcttgaagta 300  
 ngctcattcc agaatgcttt cttttttctt cctgaacaat tacatcaact tagatatact 360  
 aatgttattt tagatatact ccttaaagca ttatgtcacc ctttcgagat gagaaattac 420  
 ntactaatna cttacattgt cttagactgg tttgtagata ggnncaagnc tagnng 476

<210> 492  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 326, 393, 402, 446, 451, 452, 477  
 <223> n = A,T,C or G

<400> 492  
 gtggagggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60  
 ggcattccca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120  
 ctgcatgccg cttttctcac tttgggtggg agtttgaagg accatgtaat cacagagatt 180  
 agagctccct gtgaaatcaa tcaactgcct tagatctcca caaagacctg ttctccaata 240  
 gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggacctcaga aagaatgcgt 300  
 gttacactct gtactctcca atgggnatat ttatcataga aatctaatac atattcttca 360  
 gtcttgaatc caacttctgg acagtacata gcnggggtgct tntgaacgtg aaaggtagct 420  
 cttgccttca ggctgccaaag atgganaatc nngataaatg gaaggactcg gcccaacncc 480  
 t 481

<210> 493  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 399, 448, 459  
 <223> n = A,T,C or G

<400> 493  
 cgaagtctgt ttacagaaat atagttgcga agtatacaaa tgttccaata gaagcaaaat 60  
 atctttttta tatttaacaa gttatcacag atagctaaaa acatagatgc aaatgaaatt 120  
 cccccagaga acaaaactgaa aatatctggg atcagtgctc tgaaatccca actatgaaag 180  
 ccatatacac aaaaatgtaa cccttatatc attgcaggac aatggaagaa ggcagttcag 240  
 tggttgatca gtgtgctcaa gcaaataaaa ttaaataaaa attaaaaatg gcagaatggg 300  
 agctaaccct tgagaacagg gtaatgaaat tattggtcta tacttaacaa ttaagtaaaa 360  
 gaaggaaatga actcattact gccggcgggc cgtcgaaang gcaattcaca cactgcccgc 420  
 gtctagtggg cgactcgtcc acttgggnat atggcatant gttctgtg 468

<210> 494  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 26, 37, 39, 79, 94, 96, 107, 134, 135, 299, 312, 327, 340,  
 371, 372, 383, 391, 394, 406, 407, 413, 419, 423, 448, 449,  
 452, 466, 471, 475  
 <223> n = A,T,C or G

<400> 494  
 tgcagaattc gcccttttoga ggggcnegcc cgggcanngn tcacctcttc taatctttta 60  
 atgtatttgt ttgcaattnt ggggtaagac ttntntatg agtactnttt ctttgaagtt 120  
 ttagcggtca attnngcctt tttaatgaac atgtgaagtt atactgtggc tatgcaacag 180  
 ctctcaccta cgcgagtctt actttgagtt agtgccataa tagaccactg tatgtttact 240  
 tctcaccatt tgagttgcca tcttgtttca cactagtcac attcttgttt aagtgcctnt 300  
 agttttaaca gntcactttt tacagantat ttactgaagn atttattaaa tatgcctaaa 360  
 atcttaaac nnaaaaaaaa aangaaaata ntcnctaaaa aacctnngcg gancctang 420  
 ggnaatccac cctggcgggcg gtctagggnn cnaccggcca actggngatc nggcntctgg 480  
 t 481

<210> 495  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 322, 367, 374, 393, 430, 475, 476  
 <223> n = A,T,C or G

<400> 495  
 tacattgtac agggttaggc aaccctgttc ttcccagaca gccatattaa atgaaagcca 60  
 cttaaagtga ctcttaatta cataaaacat atccattatc tgattgcctt ttaggaagta 120  
 tactgaagat gcaagttttt ttcattctgga gttctgcctg accaagaatt aagcctataa 180  
 atctatcttg ccattcaagc agagagcact ggacaaactg aagcacaaaa acaaataagc 240  
 aaaacttata caaacagcat ggggggttggg ggtgagggac ttaaaagtag acatgctaca 300  
 cctaattgcaa gaacagcttg gnttctttgc cagatatcct tgtgacacat ggattgagat 360  
 caatggntc acanggatct aaaatgcatg ttntgatatg actaaagagc ctctggatgg 420  
 actcggcgcn accgctaagg cgaatccacc actggcgggcg tctatgggat cgacnn 476

<210> 496  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 277, 343, 354, 440, 447, 458, 460, 463, 470, 473  
 <223> n = A,T,C or G



```

<400> 496
ctgaaagaag cccaagtaca cgtatcctct ccagacattt gcaattggca tggaagacag 60
ccccgattta ctggctgcta gaaagggtggc agatcatatt ggaagtgaac attatgaagt 120
cctttttaac tctgaggaag gcattcaggc tctggatgaa gtcataatatt ccttggaac 180
ttatgacatt caacagttcg tgcttcagta ggtatgtatt taatttccaa gtatattcgg 240
aagaacacag atagcgtggg gatcttctct ggagaangat cagatgaact tacgcagggg 300
tacatatatt ttacacaaggc tccttctcct gaaaaaccga gangagagt agangttctg 360
agggaactct atttgtttga tgtcttcgcg cagatcgact ctgtgccatg gcttgactga 420
gagccattct agacatcatn tcttctntct gctctgcncn gantgaaatn canaatgg 478

```

```

<210> 497
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 205, 246, 253, 292, 322, 333, 342, 345, 356, 386, 389
<223> n = A,T,C or G

```

```

<400> 497
cctggtcacc tctgtagcct actcttatga cacatgggtg gaggcaaggg taaccagagt 60
ccttggttctt tcttttgatt ggggtcatcc agcccttccg atgtgtgggc agggagcaga 120
gtcactgata ggatgttgag acttgagat caggaccaga cttttcccca ttcttgcac 180
tggcctgtgc ttgggcagga cctcnggtga aggatgatct tggaatcacc cttttgtcag 240
ccccangaaa gantggctgg agtggcttct acaacttct ctcattactt tncctcatgg 300
aactaagcct tatgtcatgt tntagaacac ganactgaac tncanagagt gctcanagac 360
accaggacac ctggcttctt ctttgntgna taaatgcac 399

```

```

<210> 498
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 62, 314, 357, 389, 391, 398, 470
<223> n = A,T,C or G

```

```

<400> 498
ccaaagcagc caggaagag tgccctgtgt ttacaccgcc cggaggagag acgctggacc 60
angtgaataat gcgtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cagatcaaaa agaacagttt tcccaaggat ctccaagcaa ctgtctggaa acttcttttg 180
cagagatatt tccttttagga aaaaatcaca gctctaaagt taattcagac agcgggtattc 240
caggattagc agccagtgtc ttagttgtga gtcacgggtc ttacatgaga agtctgttga 300
ttattttctg ctgncttaag tgccttcca ccactctgag cagatctgac ttatgtnagt 360
cactcccata cagggatgag ctcttatcnt nactttgnga agaagaaagt aaccacgggtc 420
atgttttgtt gacctcagga ctctaattggc tgctgactcc taggtaattn t 471

```

```

<210> 499
<211> 65
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 5, 9, 10, 15, 22, 35, 38, 60  
 <223> n = A,T,C or G

<400> 499  
 ccccntaann gagtnaggtt cnattcacca gagcngtncg ctccccctct atcatgcatn 60  
 tatca 65

<210> 500  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 133, 159, 182, 225, 229, 238, 260, 287, 288, 299, 309, 314  
 <223> n = A,T,C or G

<400> 500  
 cctacccatt ctctagttt cttgttgtca tcaaccttaa ttaggttgat ttggtgttca 60  
 gcacaaaagg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120  
 caaagatggg ctnggcgcct tttcctaagt ttccggtang acggatgcca ttcagaactt 180  
 tngcgctaac accatgaact ccatgccttc ttccctgggt ggcangttnt gttccggntg 240  
 caagaacca cagtattgan actgatacac ttacttgtct aaagctnngg cagcttcgng 300  
 aattcacgng ctangccatc ttggtgaagg cagtcttaca acc 343

<210> 501  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 50, 284, 314, 317, 381, 384, 391, 445, 458, 464  
 <223> n = A,T,C or G

<400> 501  
 tgcgagaatg aagactattc tcagcaatca gactgtcgac attccagaan atgtcgacat 60  
 tactctgaag ggacgcacag ttatcgtgaa gggccccaga ggaacctgc ggagggactt 120  
 caatcacatc aatgtagaac tcagccttct tggaaagaaa aaaaagaggc tccgggttga 180  
 caaatggtgg ggtaacagaa aggaactggc taccgttcgg actatttgta gtcattgtaca 240  
 gaacatgac aaggggttac actgggcttc cgttcaagat gagnetgtgt atgctccttc 300  
 ccatcacgtg tatncangag aatgggctct tgttgaatcc aaattcttgg tgaaaattat 360  
 cccagggtcg gtgagacaag ngtnntgtca natctcacc aaagataat aatcttgaag 420  
 aatgcattga cttgttcaat tacgntttga tcacaacnca catn 464

<210> 502  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 278, 287, 320, 335, 346, 357, 423

<223> n = A,T,C or G

<400> 502

```
ctggcctttc tagtcaagaa gactaaggtc aatatggaag tagacataag gaaaatagtc 60
ttggttattg agttgcagtc ccgggatctc cacagatgca tccagtatac ttgtagcggc 120
tacttcatcc agatgtcggg agacagagtt tagaacctct cttaaacgct tggtagatga 180
cttcttatgc ggctgcagga gcaactgctg aagttcactg gtagtccata cctgagcacg 240
gactccacaa acactctcaa ggcttgatgt ggatccangc aatgaangct tcaactgaagt 300
tcaccttgac cagcgacacn ggggcctcac cctcnacctc ggccgnaaca cgctaanggc 360
gaattcacac actgcggccg ttctagtggg tcgactcgtc caacttggcg taatctggca 420
tantgtt                                     427
```

<210> 503

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 320

<223> n = A,T,C or G

<400> 503

```
gtcctgttct gggagatggt catattcacc tgccaaaatc tgctggaatc ctttgatggt 60
ctccttcagg ggtaccagct tccccatatg acctgtgaag acctcagcaa cctggaatgg 120
ttgagacaag aaacgctgta ttttccgtgc acgggacacg gtcaacttgt cttcctcaga 180
aagttcatcc ataccagga tggcaatgat atcctggagg gatttgtagt cctgcaagat 240
cttttgacc ccacgggcaa catcgtaatg ctcaactgcca acaatggttg gatccatgat 300
acgagaggtg gagtctagan gatccacaga ctcggcgcgc acacgc                                     346
```

<210> 504

<211> 77

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 12, 13, 34, 46, 48, 62, 67, 71

<223> n = A,T,C or G

<400> 504

```
gtccgttaaa cnntcacgag cgatcccat aacnctgatg tcgagnagnag aggataaata 60
tngagancca ngtcaca                                     77
```

<210> 505

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 319, 349, 354, 376, 391, 396, 407

<223> n = A,T,C or G

```

<400> 505
ccattaaagt gctggaaatt ttcttaataca tgataacatt tgttaaaaag aaatcagaac 60
taatatacagg aacatggcgg catgaaggaa acagttccct tacaaaacac agaaaatgga 120
agccctcat gttgaggggg tgggttgac aatttgcaaa cagattctaa ttctctctca 180
ccgtcagcac caaactggct gggaccacca cccctgggtg aaagaaacaa cactaaagaa 240
ccctaaaaac acccacacac cctgactacc accacctctg ggcattctgtg ggcgtttgct 300
gttgaacaga tccagctcng aaagaagaag actgcctcgg ccgcaccnc taanggcgaa 360
ttcacacact ggcggnctgt ctatgatccg nctcgnccaa cttgcgnaat ctggctactg 420
ttctgtgcgg                                     430

```

```

<210> 506
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 51, 334, 337, 346, 394, 395, 405, 484, 493, 496, 502
<223> n = A,T,C or G

```

```

<400> 506
tgcagaattc gccctagggg ngtcgcggcc gaggtttttt ttataaaaact nttattattc 60
tagcaataat aatgtgtgtt aatttttagga atatagaaaa tacaaacaag caaaaggaga 120
aaaatcattc ataatccac caccgagagg ctgtactttc ttctatcctt cacaagtat 180
gtccatataat gtaatatata aatgtctttt tacctttcaa aaatatgata ttcacatatt 240
acttagcctt ttccattttt atatcttacc aagaacctct tttttacaaa tgtgttaaagt 300
tcttttatta aaagacagag acttgttagat tggncanaat acaatnaaca atgagatgca 360
gatacaagag atcatctaaa ccattaatag cacnnggtat aagtngaatt ggccaaggat 420
atcaggaatg ctataaaaagc aactattgga ttgtattcga taaatcagga actcataata 480
gggnaggtgg tcntanctca cnatcctt                                     508

```

```

<210> 507
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 294, 420, 425, 430, 455, 466, 467, 477
<223> n = A,T,C or G

```

```

<400> 507
aaatcctcct tgtcctaatt ggctatgttc ctaacttggt ttctatcact acagtgaatg 60
ctgcaataact gatataagaa aaaataaaat aaaatagtaa cctctgcttc aatgtacagt 120
ttccagaatc tgccagaact ggggaactgg gcaacaaggc gttcataagt cttcogtgct 180
ttgtctatag gttgattcta aaattgaaaa ccaataaaca gcattttaca tgttaggatt 240
atgaaaatat tattcactgc agaaccaagt agtgtgattg gaccataga gaangaaatg 300
taatctattc actaaacctg tgcctctcga atgagatgct caagcatcaa ggcataatga 360
tctctctaata tctttccgtt tcttcacctt ctctgggaca tactcagact gccgggcggn 420
cgtcnaagggn gaatccacac ctgcgggcgt ctagnatcc actcgnncaa ctggcgn 477

```

```

<210> 508
<211> 172

```

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> 7, 11, 16, 18, 26, 61, 68, 85, 91, 93, 97, 103, 110, 115,  
119, 125, 132, 135, 141, 144, 145, 154, 165

<223> n = A,T,C or G

<400> 508

```
ccccccnaaa naaagnangt tacaanttca ccagagccgt ctgttgcccc ttccggctat 60
ncatctcnat atctctagat acccntaata ntnagtntaa ttncocatan attgnaatnc 120
ggtanatata tntcnaaata ncgnnacaat tgcncataat tctangatat ca 172
```

<210> 509

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 312, 314, 334, 441, 451

<223> n = A,T,C or G

<400> 509

```
ctgttttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatttaa caagttatca cagatagcta aaaacataga tgcaaatgaa attccccag 120
agaacaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtggttga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaac 300
ccttgagaac angntaatga aatattggtc tatncttaaa cattaagtaa aagaagtga 360
tgaactcatt actgccgggc ggccgtcgaa aggcaattca cacactgccg ccgtctagtg 420
atcgactcgt ccaacttggc natctggcta ntgtttc 457
```

<210> 510

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 222, 296, 398, 426, 440, 461

<223> n = A,T,C or G

<400> 510

```
tcctgatttt ttgtcttatt ccaactaagt agatcattat ctctttcctt ttttatgtta 60
atgagagaat ttagcctcca ctcaacaatg ttcaattcag caaggctttc atatccttgc 120
tgtgggtcgt ggataaggag cttattcagg tttcctgccc tagctattag ctccacttca 180
catgctggag accggcgtag ggacagatgt attcatcctg gngttactga aaaacaggtg 240
tgatcctgtt actgatacta taagtgcact aaaatgcact gttcaaatta gccagngtct 300
aacaaactaa actcttcaaa tgcttggaaa gatctacaaa gcaatcttat agaattgggc 360
aaataaacta tgtgtttgca tgggtattgta actccaangt cctggttctg ccgtgtctgg 420
agtgcncctg ctgggcaagn tcttggctgg tgagactgtg nctttcccta 470
```

<210> 511  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 37, 46, 65, 390, 394, 406, 415, 447, 451, 482, 508  
 <223> n = A,T,C or G

<400> 511  
 tgcagaattc gcccttaaga gagtcgcggc ccgaagnctc cggtcnctga aaggatttat 60  
 gtttntcttc gttagataag tgacttctga gcaagctgat ctcccctggc atgctccaac 120  
 ctgattggac aaaggaagct ctatggcctg ggagagagac tattcttaat ttttctttct 180  
 tacaaaaact gatttttccc ataaatattt ttacttcaga ggactaggac cattttgttt 240  
 tgggcccttc tgctgaaaat ttgctcggtt aagaggcagc tagaatcttt accatatgta 300  
 tgaatttgta taattcattt ttggataggg ataaactttt gcttctgata aaagctggaa 360  
 ttcactctggc ctcacagcat gcgtgtgggn cttnctgagc ccgaanaggt ttggnaagat 420  
 ctgggatggc agtgtttagct ttctganaga nacatacaga actgtcatct taagacctct 480  
 cntggatctc tttcagagat gcagtggntg agg 513

<210> 512  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 33  
 <223> n = A,T,C or G

<400> 512  
 tgcagaattc cccttcgagc ggccgcggg cangtgaacg tgtgatcacc attatgcaga 60  
 atccacgcca gtacaagatc ccagactggg tcttgaacag acagaaggat gtaaaggatg 120  
 gaaaatacag ccaggtccta gccaatgggc tggacaacaa gctccgtgaa gacctggagc 180  
 gactgaagaa gattcggggc catagagggc tgcgtcactt ctggggcctt cgtgtccgag 240  
 gccagcacac caagaccact ggccgcgctg gccgcaccgt ggggtgtgtcc aagaagaaat 300  
 a 301

<210> 513  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 18, 47, 156, 254, 262, 315, 318, 330, 332, 338, 348, 354  
 <223> n = A,T,C or G

<400> 513  
 aaaaaagggtg cggggccantg caggggacac tgaaggattt gaggcangaa aactccgcga 60  
 taagagctgt ctatatggcc ctgtggcaga agcacggggg acacgacccc atggaactgt 120  
 gtccattaaa cctctttgtc ttcataaatt acccantctc gggattttct ttattagcag 180  
 cgtgagaaca gactaatata gttaaattggg aatgggtatag agtgggggtgc tgctataagg 240

atacctcaaa atgnggaagc anattttgaa ctgggtaaca ggcaaaggct ggaacagttt 300  
 ggagggctca aaaanaanac agggaagacn tnggaaantt ttggaacntt ctnaaaa 358

<210> 514  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 361, 399, 405, 413, 425, 427, 434, 446, 461, 477, 489, 499  
 <223> n = A,T,C or G

<400> 514  
 aaataatttc ttaatttata tgaaataaag acaaccata tagtagactt acaaatattc 60  
 tatttcgcat tatattcaag actaaacatc ttccaaacca tattcatgaa atggtttgat 120  
 gatatgtgct ttggcggttt tcaagaaata tcaatcaaac cgtaattaaa tttcaacgta 180  
 tcggctaaac atccactgag cacctcctct tgcagttagc attagactaa gtgcttaagg 240  
 acaagtagtt tgatgcaata aattaggaaa tacatatatta agacttatat tattcacaga 300  
 attcttggca tagttattta agttccttct gttgagaacc ttgaggggtg gggtttcttt 360  
 nttcagtcctc aaagctccgt tttgagtctc ccccttggng aattnagggt tgnaggccgg 420  
 cggangncct gtcncctttg ccttgncaat ggccctcgcg naccctaggc aatcagnctg 480  
 cgcgtctgng accactcgnc cactgcgata tgctgtgtt 519

<210> 515  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 361, 362, 367, 376  
 <223> n = A,T,C or G

<400> 515  
 aaagatcaac ttttattgta acaaatataa agtcatcaat gttttacaaa ttgtcaaaaa 60  
 tgctttaagt acaaaaaata cattagtaaa atgaaagtta tggtgtatta tttgggtatac 120  
 acttaatact gccaacatgc ataacacatg ccagaaaagc tcatgcatta ttggaagaga 180  
 aaagaaatgt gatgtaactg ctatatgtgc tgattataaa ttcattgctt cagtcagttt 240  
 tctttcttca gggataccat ttacctgcaa tgtgtaagaa tgaatatggg caggagttag 300  
 tcagggcatg gatactttta gattttgagc caagcaaatt attgcaagga gaaaagttcc 360  
 nntttcntaa ttccanggaa aataatacat tgc 393

<210> 516  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 370  
 <223> n = A,T,C or G

<400> 516

```

ccagagtaag tcctgtaaac acagaattaa attaggggac tcaagcaact attattatat 60
ttctcctttt tgcagatata ggatcacttc tgtatgtaac ttttttacat acattcgata 120
cattcagcag ggactcgtga aacagcagga tgttgatcag atgttttggg aggttatgca 180
gttgagaaaa gagatgtcat tggcaaagct gggttatttc aaagaggaac tctgatgctc 240
tgcgtagggac catgcctgaa ctccccgaat aactgaaaaa tggctgaata tttttatggg 300
tacttgatat ttatttccaa ggagtgaagc taagactttt ttcccccttt gcaaattgct 360
ctaagaaagn ccataattc ttttacttcc cgggagc 396

```

```

<210> 517
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 309, 340, 352, 358, 375, 390, 410, 413, 414, 438, 440, 444,
452, 485, 491, 501, 514
<223> n = A,T,C or G

```

```

<400> 517
aaataatcca ggcaggagaa gagaggaggg cacacttggg actccccctcc ccacaatacg 60
tgattatttta catttttagta attggacaat cccggctcag gaggagggtg caagaatctg 120
caaaagtttg agggagcgcc ccaggagaaac aaacagcaag ccttatttcc cctagcccat 180
cccccaaaaa accatccatc ccctcctagt gtctgggtgg gtccgggtgg gtccatcttc 240
cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300
acagagtang gtccccctac ccaaaaaaaaa aaaaaaaaaan ctttggggga anaaaaangg 360
gttttccttc cccnnaaaaa aaaaaaaatn ggggtttggg ggggggaaan ccnntttccc 420
cccattttgg gccccctngn tttnggggaa anggggcccc ttttccaaaa aaaaaaaac 480
ttttnggggg nttttgggga ngggaaaacc cccnttcccc cc 522

```

```

<210> 518
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 361, 365, 399, 410, 415
<223> n = A,T,C or G

```

```

<400> 518
aaagctaatt agtacatttt atatatcata aaaatatatt tagtatattt tcatgaaaat 60
gctatagact tttagcctatt gcccaacaaa gtagctaata attcttatat ttttgtttca 120
gcctattctt cggaacagca ctttagtagc ttcttaaagt tatattcaaa gttgaaactg 180
cagccataaa tatttccaag agccacattc ttccaaccag acagctaatt actacagtca 240
ttatctgggc atatgtaccc acagttgatg ctttgctggt gctgctgctg ctgctgccac 300
tgctagagac agactctgcc agcaggctga aagttctgga ttctaccca accacattat 360
ncagnataaa atcaatctta ttaatttttc ctgtctaang gggagtaagn ctggngaagt 420
tggcccaaca g 431

```

```

<210> 519
<211> 572
<212> DNA
<213> Homo sapiens

```



<220>  
 <221> misc\_feature  
 <222> 397, 424, 431, 446, 495, 497, 504, 510, 519, 526, 539, 551,  
 558, 567  
 <223> n = A,T,C or G

<400> 519  
 ctggagacct tcaaagctgt gcttgatgga cttgatgtgc tccttgccca ggaggttcgc 60  
 cccaggaggt ggaaacttca agtgctggat ttacggaaga actctcatca ggacttcttg 120  
 actgtatggt ctggaaacag ggccagtctg tactcatttc cagagccaga agcagctcag 180  
 cccatgacaa agaagcgaaa agtagatggt ttgagcacag aggcagagca gcccttcatt 240  
 ccagtagagg tgctcgtaga cctgttcctc aaggaagggtg cctgtgatga attgttctcc 300  
 tacctcattg agaaagtga gcgaaagaaa aatgtctacc cctgtgcttg taaagaaact 360  
 tgaaaaattt tgccattgcc attgcaggat ttcaaanaat gaatccttga aaaatgggtg 420  
 ccanaacctg ncccgggccg ggccgnntca aaggggcgaa atttccagcc cacttgggcc 480  
 ggcccgttta cttangnggg aatncccaan ctttgggtna cccaancctt tggggccgtna 540  
 attcattggg ncattaanct tggtttcccc tt 572

<210> 520  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 189, 271, 286, 300, 307, 311, 315, 363, 370, 373, 384, 400,  
 403  
 <223> n = A,T,C or G

<400> 520  
 gccctgggta tgattgggct ctctcagcgc ttgctgtccg tgttgctcct tggcaagaga 60  
 ggacggtcct aggattgcat cagtctgggtg gtctgggtgga gcgggtgggg tgctggactg 120  
 ggtagagggc ccagggttct gacctgggtg gatgatgggt gaatggtcct gaactctctg 180  
 ctccctctnt cagtgtctct tgggcttcta tggagcttcc ctcttgctgct ggaaacctct 240  
 ttcccatctt ggaaatgcct ctgccacat ntgggaagtg ccatanccctt gagtgaattn 300  
 atttgtntat ntatnaaatc ttttcttct ctcaggatata atcattcact ttttggggac 360  
 ctnaaagaan ctnattaact gatnaatttg tgaaactaan aant 404

<210> 521  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 344, 349, 351, 375, 385, 421, 432, 443, 449, 471, 497, 548  
 <223> n = A,T,C or G

<400> 521  
 cctcaccaag tcttggctgt ttctagctag ctctataaac ttttttcagc ctctgttcat 60  
 taccagttc caaagctgct tctacatttt cagatatttg ttatcagcaa aaaccccacc 120  
 tcttggtagc aattttcagt cttactctgt tttctgatgc atatagcaga atacttgaaa 180  
 ctgtataata tataggaatc aaaatgtatt tcctacagtt acaaaggctg ggaagtccaa 240

```

gggtggagagg gcacatctgg caaaagtctt cttgctagtg gggactctcc actttggcag 300
aggtggcaca gggaatcaga tggtagggg gaagaacatg ctanctcang nctgttttct 360
cttcttataa agcancaatt ccttntccaa tgataatcca taattcatta acccattaat 420
nttggaagct tnttattttc ctnttaaang gccctacctc tcaaaaactgg nattattggg 480
ggaataaagt ttcaccntga gtttggaggg gctgaacatt caaactatag cataacacac 540
atgcttcncc cttga 555

```

```

<210> 522
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 522
aaaatcctga ttttggagac ttaaaaccag gttaatgggt aagaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
a 241

```

```

<210> 523
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 343, 355, 360, 367, 411, 412, 425
<223> n = A,T,C or G

```

```

<400> 523
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgcccaac 60
tgtcaacctt gacaaattgt ggacttttgt cagtgaacag acacgggtga atgctgctaa 120
aaacaagact ggggctgctc ccattcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggocgtgtgc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg cttactactt ttaccttggc cgngaacccc cttanggcgn 360
aattcancac ctggcggcgc ttctagggga tccaacttcg gaccaacttg nntaacatgg 420
catantgt 428

```

```

<210> 524
<211> 656
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 387, 406, 411, 447, 517, 556, 569, 586, 588, 593, 609, 628,
635, 639, 640, 648
<223> n = A,T,C or G

```

```

<400> 524
aaaaagacac agtgggcaat aagaatttgc cctatgactc ctgagaaaag ggacatccta 60
aaatggaact actgaatcca accatgtggg tacaatatat taggaatcac tctgtttcaa 120
ctttaagatt ctattaattt attcttacia caaataacca gtggggttat tctatgggct 180

```

```

aggtattcat ttagatgcta ggggtacagt agtgaacaaa acagataagc agtcctgctc 240
ttgtgaatgc atctgacaat acatttgaca attcaaatct ctctctctcg ctctcatatc 300
actgacctag tatttgaaac ctgatgtaac taattaacag attaactatt aggtaccctt 360
ctgaatgata ctctaagcac acatatncta ttccagaaag aaaaanggta ngaaaaaagt 420
ttttgggata gcttaaaata ttcctcnccc caaatagctt ggggtcttca aacagaattt 480
ctggatcacc ttcaatttcc cgcttttatt caaaaanggc attgtggttt aactttttta 540
acctttgggg ccgggnaacc ccccttaang gggcgaaatt tccancncc acnttggggg 600
ggccggttnc cttagtgggg aatccccnaa ctttngggnn ccccaaact ttgggc 656

```

```

<210> 525
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 306, 307, 313, 316, 317, 329, 335, 343
<223> n = A,T,C or G

```

```

<400> 525
attctctgta cgcccaggga aagcggcggt atgacaggaa gcagagtggc tatggtgggc 60
aaactaagcc gattttccgg aaaaaggcta aaactacaaa gaagattgtg ctaaggcttg 120
agtgcgttga gcccaactgc agatctaaga gaatgctggc tattaagaaga tgcaagcatt 180
ttgaactggg aggagataag aagagaaagg gccaaagtat ccagttctaa gtgtcatctt 240
ttattatgaa gacaataaaa tcttgagttt atgttcagaa aaaaaaaaaa aaaaaaaaaa 300
aaaaannttt ttncnncccc gggggggcgt ttaangggga aantcccccc cctggggggg 360

```

```

<210> 526
<211> 53
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

```

```

<400> 526
tattacaatt cactggccgt cgttttacaa cgctgtggna cctaactggc tct 53

```

```

<210> 527
<211> 554
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 331, 342, 344, 365, 369, 380, 385, 419, 420, 424, 453, 474,
483, 495, 512, 513, 529, 532, 533, 539, 544
<223> n = A,T,C or G

```

```

<400> 527
cctctgagga agggacaaag gagctgggac cggactggct ctctccgagc tttagacca 60

```

```

agtctcctgc acagaaggcc cagcaaaggc aaagactagg aggcagcagc accctgtgtc 120
atccagaagt gcagggggaca aggtgtggga cgccagatgg aagtgggaga ggatggaagt 180
gtgaagaccg gaaaggccat cccctcctaa aactccatgg acacaacaat ctgaatgtgc 240
gaacttcagg cagtttctaac tttgtcccag ccaaaccagt cccggaacaa aacacacaat 300
gccttgagat ggaaaagact gaaaccctta naatgactta tntnctaat tttattcttc 360
ccccnactng ggcttcttgn ggaanaaaaa attttgcttg gaaaagaaag cttaaaacnn 420
attnccttga ggggtttttta cccttcggcc cgngaaccac cctttaaggg gcgnaatttc 480
canccccact tggnggggcc ggtttcctta gnngggattc cgaaacttng gnncccaanc 540
cttnggcggt aaat 554

```

<210> 528

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 339, 415, 431, 470, 476, 488, 492, 512, 518, 520, 526

<223> n = A,T,C or G

<400> 528

```

ctgagatacc cctgctgctg tgtcaaggaa agggctttat ttgtgaattt tgccagaata 60
cgactgtcat cttcccatTT cagacagcaa catgtagaag atgttcagcg tgcagggctt 120
gctttcacaa acagtgttTc cagtcctccg agtgcccccg gtgtgcgagg atcacagcga 180
ggagaaaact tctggaaagt gtggcctctg cagcaacatg atgcccctga gtactgtgaa 240
aaagactgtt caacatgcct tatgataaca ccgatttTgt tctatttattg gtgacattgt 300
tttagatatt gggTattTga tattaaggaa aaagatggnc tatattctct ttattggata 360
tacttaatgg ttcaaaagaa tgcaaaatct tgggtttaac cccagggctg atagntgggg 420
gttttggtta ncaaatgttc tgggttgggt gctattgggt ttttaacttn ggccgngaac 480
cccctaangg cnaaattcca acacacttgg cnggcognTn cttagnggga atccca 536

```

<210> 529

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 345, 366, 396, 416, 417, 446, 461, 473, 535, 538, 539, 556, 559, 574, 585, 601, 603, 619, 627, 634, 640, 647, 670, 681, 695, 697, 702, 707, 709, 712, 717, 728, 733, 738, 752, 757, 758

<223> n = A,T,C or G

<400> 529

```

aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aatgaaaaaa gaaaccgttg taacaagggt actaatcccc caactttcaa tgctgagttc 180
cttcatcatc catgtgcaat ccagagatga catctagcag ggttggtaaaa ttattctTga 240
aatgccaac tgtacttaga caaaataagt taattctata tggttgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgnTtccc aaatcaagaa 360
ctagcngaag gagaagaaag taaattaaag ccaatnggca cttccctttc agaagnntca 420
aaaatgggtt agaaattttg atgcanaatt taacccttaa ncggaagttt cangtcagtc 480
cattttaaga atgaatccct ggtagggggt cattaccaa ataccacctt gaaanccnnt 540

```

```

tgggggtttaa acttcnttnt ttccctttcc cttnaaaagg tttntttgga ttaaaaggaa 600
nanccttcttt cccttggtnt ttgggggnagg gganccttggc cattaangtt caaaaatttg 660
cctcaaaaaan ggggttgggaa nggacccttt aaggncnagc cngaaantna tnaaccnact 720
ttttttancc ccnggctnac actaaaactg gntgtannct ggaaccct 768

```

```

<210> 530
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 400, 402, 430, 451, 500, 509, 524, 541, 563, 572, 603, 611,
626, 634, 668, 723, 728, 732, 738
<223> n = A,T,C or G

```

```

<400> 530
aaactccact gctgaccctg agtgcattcg ctatcccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg gggtcaagcg attctcatgc ctacgcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taatttttat attttttagt agagatgggg tttcaccatg 240
tcggccagcc tgggtctggaa ctccctggcat caagtgatct acctgccttg gcctcccaaa 300
gtgttgggat tacaggtgtg agccaccacg ccccgggcca aagccaaaag gtcttggaaa 360
gggggacttc attcccatca ttgaagggtc ctaccctttt tngaacctta ttcttaaact 420
ttcccttan ccaaaagggc ccccatTTTT naaaatccaa tccacaattt gaaggggtta 480
aaggggttcc aaccacatgn aaatttttng gggggggaaa acangtcccc attcttttaa 540
ncccaaattg ggcaaatttt ggngcctttg gnaaccccca cttcttgggt caacctttta 600
aangggggga nttgggcctt tttgtngcca aatngaacag ggttttttcc acatgggtggg 660
gccttttnaa aaaaaattcc cttttgtgtt gaaacaaaaa accttgcccc ggggggggggc 720
ccttttttaa anggggcnaa aattt 745

```

```

<210> 531
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39, 375
<223> n = A,T,C or G

```

```

<400> 531
ccagcttcga gaaagagttg agaagttaaa catgctcanc attgatcatc tcacagacca 60
caagtcacag cgccttgcaac gtctagttct gggatgcac accatggcat atgtgtgggg 120
caaaggatcat ggagatgtcc gtaagggtctt gccaaagaaat attgctgttc cttactgcca 180
actctccaag aaactggaac tgcctcctat tttggtttat gcagactgtg tcttggcaaa 240
ctggaagaaa aaggatccta ataagcccct gacttatgag aacatggacg ttttgttctc 300
atttcgtgat ggagactgca gtaaaggatt ctctctgggc tctctatttg tggaaatagc 360
aaaacttgcc cggcnggccg ttgc 384

```

```

<210> 532
<211> 589
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc\_feature

<222> 362, 394, 408, 441, 446, 450, 510, 522, 530, 537, 545, 546, 567, 580, 582

<223> n = A,T,C or G

<400> 532

```
ctgctgcttg tgctgccatg tccgcaccgg caccatcctg ctgggcgtct ggtatctgat 60
catcaatgct gtggtactgt tgattttatt gagtgccctg gctgatccgg atcagtataa 120
cttttcaagt tctgaactgg gaggtgactt tgagttcatt gatgatgcca acatgtgcat 180
tgccattgcg atttctcttc tcatgatcct gatatgtgct atggctactt acggagcgta 240
caagcaacgc gcagcctgga tcatcccatc cttctgttac cagatctttg actttgccct 300
gaacatgttg gttgcaatca ctgtgcttat ttatccaaac tccattcagg aatacatacc 360
gnaactggct tcctaatttt cctacaaaag aatnatgtca ttgtaagnga atcctacctt 420
ggttggggcc cctaattaat ncttcntggn taattaacat taatctttga cttttaaaagg 480
ggttaacttg gaataagcct tggggttttn ggaaactgct tncccgaaan ccattcnaat 540
ggggnnggga aacttccttt ggatggnccc tggggtttan tnttaaccc 589
```

<210> 533

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 373, 374, 382, 385, 398, 404, 408, 413, 416, 419, 423, 444, 456, 468, 483, 489, 493, 494

<223> n = A,T,C or G

<400> 533

```
ctgccgatgt agcctcggta ggtggctatt agagctctac catatacagt ggtgcatctt 60
caaatttatg catcaaaact aagacatgtc caagtccatt ttaatttcct cagtggtttt 120
atgagaagtt ttatgggcct cccccaattg tctttttatt ttgggttatg acgatcatgt 180
ttgataatta caatgatagt ctctttccac gtgatgcttt tgtttgaacc tgataaaatt 240
tagtgaaact ttgtaatgat ctatgtgcac ttttacttgt aaaatggaat ttctgtatgt 300
ttatacttgt aaatatgatt gttgttagtg ctctgtgtgc tcatgggtgc ctgcctcgca 360
tttggtgaat ctntttaatg ancangtatt cttaactnat ttcntaantg gngtnggna 420
atnaggggaa aatgggggca agngggggg ggtaantttg gcccccntg aaattctcca 480
ttnaaattn ggnntctttc cc 502
```

<210> 534

<211> 245

<212> DNA

<213> Homo sapiens

<400> 534

```
aaattaaaa taattattaa aaaaaggaaa actttaagga attcacaatc aattgcctga 60
ctcattttga tgcattgtac agcatatgga ggtcaggaag gctatttgca gcacatgtga 120
ttaggggcta ctgatcttca gggtttagct ttcttccaaa cagtgtaaaa taccacaaat 180
tccaagtatg aagggacaca gacgatctcc tttgaaaatt ccacaggaca atacaggcgc 240
ccag 245
```

<210> 535

<211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 345, 346, 361, 385, 391, 394, 396, 409, 428  
 <223> n = A,T,C or G

<400> 535  
 cgagacagtt actcaagcag ccgaagtgat ctctactcaa gtgggtcgtga tcgggttggc 60  
 agacaagaaa gagggcttcc ccttctatg gaaaggggt accctctcc acgtgattcc 120  
 tacagcagtt caagccgcgg agcaccaaga ggtgggtggcc gtggaggaag ccgatctgat 180  
 agagggggag gcagaagcag atactagaaa caaacaaaac tttggacca aatcccagtt 240  
 caaagaaaca aaaaaagag tggaaactat tctatcataa ctaccaagg actactaaaa 300  
 ggaaaaattg tgttacctt tttacctgcc cggggcgggc cgctnnaggg cgaatttcag 360  
 ncactggcgg ccgtactaag tggantccaa nctngngccc aagctttgnc gtaatcatgg 420  
 catagttntt ctgtgacc 438

<210> 536  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 354, 362, 368, 376, 377, 387, 400, 402, 412, 418, 421, 424,  
 444, 454, 470, 472, 508, 511, 528, 529, 536, 543, 549, 557,  
 576, 583, 600, 601  
 <223> n = A,T,C or G

<400> 536  
 gagagcgagc tgagtgggtg tgtgggtcgcg tctcggaac cggtagcgct tgcagcatgg 60  
 ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120  
 aagatggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180  
 agaatcccac agaagcagag ttacaggaca tgattaaatga agtagatgct gatggtaatg 240  
 gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacactgaca 300  
 gtgaagaaga aattagagaa gcattccctg tgtttgataa aggatggcaa tggntatattt 360  
 antgcttnaa aacttnncc tgtgatnaca aaccttggan anaagttacc anatgaanaa 420  
 nttnatataa tgatcagggg accnatattga tggngatggg caagtaactn tnaaaagttt 480  
 tcaaatagata cagcaaatga aaccttttnc naatgtgtta aattcttnnc aaattnttta 540  
 ttncctttnt tttttgnact ttttttaaag gtttttcttc tgnaaaaaaa ttgctttttt 600  
 naattagga 609

<210> 537  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 328, 357, 364, 394, 404, 405, 407, 418, 427, 433, 436, 443,  
 449, 466, 470, 471, 485, 490, 515, 516, 524, 529  
 <223> n = A,T,C or G

&lt;400&gt; 537

```

ctcaaatgta taaaccatta agtagtcaaa tggctacagt gaaaaacagt attttatagt 60
aggatatagat aattggcaca gataagctca gaaaagaatg atcagttctt gctggagtaa 120
ttctagggaa atggctttca tggagaaaag gaaaagagga agtgtagtat cagtctatgt 180
tgtctattgc taatgtggaa tgggtgtttc tgcttctacg ccttactgat tccagttttt 240
atatttagaa aacaaattaa gtgaagcttc tggaggtagg gctgaaaatg gtgaaagaag 300
tgacttggaa gaggacaacg aaaaggangg aaccggaaat ggaaccattg atgctgntcc 360
tgtngatgaa aatcttttca ctggaaaagg attnggatga cctnnanaaa gaattaantc 420
cccttgnttt tanaanaatg acnccaacnc accttgaaaa attaanttan nttcacccca 480
agttnaaatn gcctccatta atttctttcc ccctnnaatc accnggatnt ttatttccta 540
tgct 544

```

&lt;210&gt; 538

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 264

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 538

```

aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttatTTTTT gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 279

```

&lt;210&gt; 539

&lt;211&gt; 555

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 15, 313, 334, 340, 351, 354, 365, 371, 394, 432, 440, 453, 458, 464, 468, 470, 479, 482, 494, 495, 511, 512, 516, 525, 532, 534, 547

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 539

```

ccgcctgcta ctgantaagg ggcattcctg ttacagacca aggagaactg gagaaagaaa 60
gagaaaatca gttcgtgggt gcattgtgga tgcaaatctg agcgttctca acttgggttat 120
tgtaaaaaaa ggagagaagg atattcctgg actgactgat actacagtgc ctgcgccgct 180
gggccccaaa agagctagca gaatccgcaa acttttcaat ctctctaaag aagatgatgt 240
ccgccagtat gttgtaagaa agcccttaaa taaagaagggt aagaaaccta ggaccaaagc 300
acccaagatt cancgtcttg ttactccacg tgtnctgcan cacaaaccgg nggngttttg 360
ttttnaaaaa ncagcgtccc aagaaaaaat aaanaaaaaa cttgcaaaat attcttaact 420
ttttggacct tngggccgcn aaccaccctt aangggcnaa attnccancn cacttggngg 480
gnccggtttac ttanngggaa tcccaaactt nnggtncccc aaacntttgg gngnaaaatc 540
attgggncat ttaac 555

```



<210> 540  
 <211> 678  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 337, 340, 399, 447, 470, 478, 483, 486, 495, 497, 525, 547,  
 548, 568, 602, 613, 623, 652, 658, 661, 669  
 <223> n = A,T,C or G

<400> 540  
 ctgattaatc attgttgatg actgcagttt ttcccatcct tcccgaattta catctgttca 60  
 ggccaattca aatatggtga gtaaatgaat tagacatgca aattcaagcc ccaggctaga 120  
 aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180  
 aggcgagaag aaagattcct ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240  
 tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggcttctg 300  
 gaggaagtga agagctatgg aaacacacac atagtgnngn aaaatttcac atttttttaa 360  
 aattttttta aaaccaccga atatggatac agtttatanc ttacatatt ccttttggcc 420  
 ctttaaggctt atttagtttt tagcatngtc cccaaatggc ttcagtgggn ttccctgntt 480  
 ttnaanggcc ctttnanaaa taggggagct ccttggggccc gaatnaatcc aaaatggaac 540  
 tccccgnntt gccaaaaaac ttgatttnaa atagtccctt tggggaaaag catttccctt 600  
 anctcctgac ttnaatgcc tanttggccc ccttggggcg aaccctttag gnaattcncc 660  
 nctgggggnt ttttgggg 678

<210> 541  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 335  
 <223> n = A,T,C or G

<400> 541  
 ccagagaagc aagtgtactg atatccaaga gcaggagaaa atagatgtcc cagaacaagc 60  
 agagaggctg attttgtcct tcctctgcct ttttgtttca tatggggcac tgaatggact 120  
 gatgcccatc cacattattg aggggtggatc ttctgtactc agtctaccag tagaaatgtc 180  
 aatgacttcc agaaacaccc tcaccaacac acgtggaaat aatgttttac caggatatctg 240  
 ggcacccctt ggttctactca agttgacaca aaattaacca tcacagaagg agactggcct 300  
 tactctgaaa ttaggaaact aaagaaagtg accanaatgg aaact 345

<210> 542  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 337, 343, 367, 379, 382, 391, 395, 410, 420, 448, 451, 460,  
 461, 471, 475, 479, 491, 494, 495  
 <223> n = A,T,C or G

&lt;400&gt; 542

```

aaaactcggtt tcagacaggtt tgtctgaaca tgagaagaac aagaacaaag agggagatga 60
taagaaagag ggaggtaaag acagagcttt gaaaggagtt ttgcgagtgg gagtattggc 120
aaaaggatta cttctccgag gagatagaaa tgtcaacctt gttttgctgt gctcagagaa 180
accttcaaag acattattaa gccgtattgc agaaaaccta cccaaacagc ttgctgttat 240
aagccctgag aagtatgaca taaaatgtgc tgtatctgaa gcggcaataa ttttgaattc 300
atgtgtggaa cccaaaatgc aagtcactat tacactngac atnttccatt tttccaaaaa 360
aaaacctga gggaaggana tntaaccctt nggtnttggg gaaagaccn cgggaccttn 420
ttggacaggc aaaaaatgcc cttgaccntt nttggcttgn nttttcccc nccntaant 480
gggttccagg nttinnaactt aaatgggctt gccca 514

```

&lt;210&gt; 543

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 346, 362, 370, 388, 408, 455, 464, 472, 484, 492, 493, 501, 510, 515, 521, 524, 527, 538, 550, 560, 567, 579, 582

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 543

```

aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60
tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggatatgt 120
tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattggt gaaagatgaa gaacgaaagc tacttggtga tcagatgagg 300
aagagatccc ctagagtaaa tctgtgcatt aaacctgtta ctttanttta tgatatccca 360
cnttagcaan tgtcaacatt ggcagttnga gcatcaactt atattggncg gtggatcctt 420
ggaggattag accaaattta attgaataca tgggntgact ttanaacccc cntctggacc 480
gggnttaata anngggaaat ncctttttgn ttttnggggg ntancnggg aattaaanaa 540
atttaacaan aaaatttgnn tttttnttt tggaccttnc cngggggggcc 590

```

&lt;210&gt; 544

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 329, 359, 361, 363, 405, 440, 443, 447, 459, 461, 465, 469, 472, 486, 487, 489, 499, 512, 516, 530, 532

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 544

```

aaatttctcc ctttgtgtga gtatgactat agttctggcc tgggtgttttc tatttattta 60
gttttagatg tcagcatttt actatacttg gtccctctcac ttcagaataa cagggtattt 120
tattgataca aaggagaggt gttcagatca tcttgtaaag atgcagagct caaaataaac 180
actaaatctt tatttggaga tccacatcct tcctcaaagg aaggctcatg agtaaatttg 240
tatgcagtat aaagcccaaag tagaggggtgt atttttaatg actactttgc ttacatttta 300
gattgtgcaa atgtctcaat caatgcttnc aggaatgtgg accttccctca gttttagcna 360
nanaaccctt gaccaataaa atactgttgc atgctttcca ataantgag ggattgggat 420
agaaatgctt atctaccgcn ttntgangga gaaaacaana ncagnggcnt gnaaaatttt 480

```

ccaacnnana atcgtaatng ggttcaaagt ancccngtaa aaccattttt tnccttagg 540  
ggggaaaacc cc 552

<210> 545  
<211> 585  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 340, 343, 354, 363, 368, 376, 383, 405, 407, 414, 417, 460,  
462, 474, 477, 488, 511, 519, 535, 554, 557, 559, 566, 568,  
577  
<223> n = A,T,C or G

<400> 545  
ggcggctacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60  
agcaagttag tgcacttcca ccacctcca tgcaatat caaggaatat acggatgaaa 120  
atattcaaga aggttagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180  
ttggcaatca gttccaatgt gatgatctta tcatccgccc ttgggaaagt cagggcatcg 240  
aacggcttca tcctatgcag ttgatcaca agaaagaact gagaaaactt aatatgtcta 300  
tccttattaa tttcttgac cttttagata ttttaataan gancccttgg agtnttaaac 360  
canaaganaa actttnaaga atnttaagct tctttttgt ccccntnctt cttntntaa 420  
atgaattccc gacccacca agcaagaaaa aaaccttgan antcatgatt ggangncca 480  
aaaacctnca acgggtttga aacagaactt ngggccgna ccaccttaa gggcnaaatt 540  
ccacaccctt gggngnctt tacttngngg ggatccnaac tttgg 585

<210> 546  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 350, 378, 386, 392, 444, 494, 514, 515, 533, 555  
<223> n = A,T,C or G

<400> 546  
aaaaagcaat ttagatttta cgtgaattag acgggtgtgt ctactccca tccagataaa 60  
atatgggcag ggaagcctgg actcctggag atgttctgc aggaagtcca tgggcacctg 120  
agtagttgga atgggaagg agagtttgac ccgagacaga gcatgagctc ctcccaggaa 180  
caaaggcttt atgaaaatat cctgcttccc atccctggga gagggtcagg gtgggcggaa 240  
gggtcaggag aaagaaagat catcaaagaa gaaagtcaac caaaaactgg aaaagagcgg 300  
acctatccca ttgtttccac tgaattcatg tcatgagaac aagacttctn ggggccatt 360  
ttcctgtttc tcttgcntt ttcttnatga anaatcttgt cttggactta tgggcctgt 420  
aacagttttg gacagtcaag ggcncaggc tatcaaacct cggccgcgac ccccttaagg 480  
gcgaatttcc accnccttgg cgggcgctac ttannggaat cccaacttcg gtncccaacg 540  
ttgggcgtaa tcatnggcaa tag 563

<210> 547  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 310, 328  
 <223> n = A,T,C or G

<400> 547  
 aaatatcaca agtangtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60  
 ttagatctta ttcacagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120  
 aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180  
 ttgaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240  
 ctgaacaagc aacacctggg ctcatccgaa ccctgcggat atatttttca cccaagaaat 300  
 ttcggatttn aacaagagac ccattctnct ggataac 337

<210> 548  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 548  
 cctttacaga aacattttta gtaatgagga tgagaacttt ttcaaatagc aaatatatat 60  
 tggcttaaag catgaggctg tcttcagaaa agtgatgtgg acataggagg caatgtgtga 120  
 gacttggggg ttcaatattt tatatagaag agttaataag cacatggttt acatttactc 180  
 agctactata tatgcagtgt ggtgcacatt ttcacagaat tctggcttca ttaagatcat 240  
 tatttttgct gcgtagctta cagacttagc atattagttt tttctactcc tacaagtgtg 300  
 aattgaaaaa tctttatatt aaaaaagtaa actggttatga agctgctatg tctaataatc 360  
 tttgctttcc aaagggttgg ggtttggtgg 390

<210> 549  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 310, 322, 323, 325, 338, 346, 348, 351, 358, 360, 373  
 <223> n = A,T,C or G

<400> 549  
 ctgccgatgt agcctcggtg ggtggctatt agagctctac catatacagt ggtgcatctt 60  
 caaatttatg catcaacta aagacatgtc caagtccatt ttaatttcct cagtgggttt 120  
 atgagaagtt ttatgggcct cccccaattg tctttttatt ttgggttatg acgatcatgt 180  
 ttgataatta caatgatagt ctctttccac gtgatgcttt tgtttgaacc tgataaaatt 240  
 tagtgaaact ttgtaatgat ctatgtgcac ttttacttgt aaaatggaat ttctgtatgt 300  
 ttatacttgn aaatatgatt gnnngntagtg cttcctgntg cttatngngg nccggccnnc 360  
 ccttttgtga atnctggtaa 380

<210> 550  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 244

<223> n = A,T,C or G

<400> 550

```

aaaaaggtat ttttttccta attataaaac tgatgtgtca gttacggaaa aattagaaat 60
gcagcacaaa tacatgaata ttttaccacg aaattgccat ataatatctt gtcttttttg 120
ggggtgtgaa ttttttgcat tgttctgac atattcttta tcatgtaatt tatgttcttt 180
tttactaagt attatgtgtg gttattatag attttcacaa agatatattg ctggtaatat 240
attntattgt gtagtcttat aatttactta accttctttc aattgtaga aatttaggct 300
atttcagat ttt                                     313

```

<210> 551

<211> 332

<212> DNA

<213> Homo sapiens

<400> 551

```

ctgaggttgt cagtacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttcagggtc tttgagttgc acgtcaaadc tggggctgat caccacacac ttgttttagcc 120
tgcctgtgag gttcacaaac attttcccag ctctgtgggc atcaatgatt tcaaattcgc 180
taatgtaacc atgcttcac atcacagtga gaaacggac gatgactttg gagcacggcc 240
taataagcac ctggcggttg cctctctttt cggcattggt gatactcttg agagcatctg 300
ccaggacatt catgcgcacc attgtggcgg cg                                     332

```

<210> 552

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 355, 395, 451, 461, 476, 487, 493, 498, 510, 514, 515, 527, 532, 541, 542, 552, 575, 578

<223> n = A,T,C or G

<400> 552

```

aaatgcaaga caacttatga ggccacttga agaccaacct ttacccatga catctggtaa 60
cttttcttct ttgagatggg gtcaccagg ctggaataga gtggggcagt cagctcactg 120
cagcctcgac tgcctgatat caaggcagcc toccaaatag ctgggactac agatgtgtat 180
caccaagccc aactaatttt tctatttttt gttgacaggc tctcactatg ttgccaggcc 240
tcgtctcaaa ttcttggaact tgggatccat ctgcctcagc ctcccaaagt gctgggatta 300
caggcgtgag ccaactgtgcc tggccctggt aacttttaac gttcctttga agggntttcc 360
tagtatgagg atgggcaagc ttactgagtc tgtgngtgtc atgcttacca ccaaaacggc 420
ttcacaagc tgaaaccact taccaaaatt ngttccttga naccaaaaat gaatgntcac 480
aggagcncac tgnttgantg atctttactn ttcnngggaa tttactngcc gncccttagg 540
nnatcaccat gnggcgtcta tgaccactcg gccantgnga aatgga                                     586

```

<210> 553

<211> 368

<212> DNA

<213> Homo sapiens

<400> 553

```

tttttttgag gaattaacag tctttattgg gctcagacca ggagtcctgt ggtcttgagg 60
acctctgtgt atttgtcaat tttcttctcc acgttcttct cggcctgttt ccgtagcctc 120

```

```

atgagctggtt tcttcttccg gtagtggatc ttggctttct ctttcctctt ctccctccagg 180
gtggctgtca ctgcctggta cttccagcca acctcgtag ccaggcgccc cagataggca 240
aactttcttg taggcttcag acgcacgacc ttgagggcag caggaaccac catccgcttt 300
ttcttgtcgt agggcggtgg gatgccgtca aacaccttga gacgggtccag agcggcacct 360
gccggggcg                                     368

```

```

<210> 554
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<400> 554
cagtttgcct ggagacatth ctactggtag cttaccaatg agggtagcca gtatctccgt 60
gattaccttc atctgcccc ggagattgtg cctgccaccc tacgccgtag ccgtccagag 120
actggcagg                                     129

```

```

<210> 555
<211> 582
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 396, 444, 453, 473, 496, 503, 509, 514, 520, 531, 538, 556,
557, 567, 568, 571, 577
<223> n = A,T,C or G

```

```

<400> 555
ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgagggtg ttcttgaaga 60
gctgaatata ggacatgagc tgtcccgggtg tgactctccc catactcatc ttgattggca 120
ggttttctct gcttgccgct tccactagat gtctccgaac ttcacatcact gcctctttgt 180
gcttagtggt cagtaaagct tcccataggg ctttggtgtg ggtgtcactg gattgtgaaa 240
gacagcctgg tgcaaccaca ttataattht cctcctcagt atggagtgca gtgagcgcta 300
tcattgttaac catcacatca tttgtgtggc ctgggagctg ggggaagtgt gaaatgatct 360
tctctactaa gttgtctcca tgatgtccaa ctgctnctgt gaaaatccag ggggtctgttc 420
acaaaaaacc acttgatgcc ctgncgtgag cangcttctt tcttttcttt gcnggggcat 480
aattggacct cgccncgaa ccnccttang gggnaattcn acaccattgg ngggcgtnct 540
tatggatcca acttgnncca acttggnnaa natgggntac tg                                     582

```

```

<210> 556
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 198, 269, 283, 312, 345
<223> n = A,T,C or G

```

```

<400> 556
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120
aagatcctga gtgacatgcy aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240

```

cgcgaccacg ctttaagggcg aaattccanc acacttggcc ggnccgttct tagtgggatt 300  
 cccaacctcg gnaccaaagc tttagcgtaa atcattgggc attanctttt ttccctgtg 359

<210> 557  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 557  
 ctgtccagtg acatctaggg aagcccagcc cccagcagca gcaggaactc ttggggacag 60  
 tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagtcca tagcttgact 120  
 ggcttctaag atgggcatgt caagatccag aatctcaaag catccccctct ttggctccat 180  
 catccaaggg tgagaaacag cagagcctaa gtgagagtct gagtcaacac cttggctcag 240  
 ttttcaaata aatttt 256

<210> 558  
 <211> 591  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546,  
 548, 555, 575, 581  
 <223> n = A,T,C or G

<400> 558  
 ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60  
 aactatgtaa ttctgttgaa aaaggaaaagc tcaggaaata ctctttttat ttcttttgat 120  
 tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180  
 ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240  
 acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300  
 cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360  
 gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaata 420  
 aatggtcatt acacttaana atctggnctg aattttntan ctctttataa aatacttgac 480  
 cgatattacc tcntccnttt aagtttctna atcctctgt ncctgaaggg ntanaatttt 540  
 tggttnangg ctttngggac aaattttttt ttgcnatggt nggtaaaatt t 591

<210> 559  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 429, 440, 441, 448, 471, 474, 486, 510, 519, 520, 528, 539,  
 555, 566, 581, 596, 625, 628  
 <223> n = A,T,C or G

<400> 559  
 aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60  
 gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120  
 tattgtgcaa aggaggaatg taatatatta gggtcattta caacgggcat ttggcgtcga 180  
 cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240

```

atttccaaat tctatgcca atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatgttgg aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatccccg 420
ttgaagtana acctcttttn naccaaantc aatacttact caatgggtgcc ngtnntaaaa 480
tatatnataa tccttttccct ccctcccttn aaaaaccggn tttcaacntt caatgaaang 540
gccccccctt ttganaaatt tttttntttt tccagaaatt nggatgggtt acaaanacca 600
atttcccaaa ttttacttgt tttcnaanaa aggtggaacc cttttccttt 650

```

<210> 560

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 433

<223> n = A,T,C or G

<400> 560

```

aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaattc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatatgt gtgcttgtta actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcga 300
gagctcaagg atggcaagga ttaaaagaat atgatcaagc attggctgat cttagaaag 360
ctcaggggat agcaccacga agataaacta tccaggcaga attgcttgaa agtcaaaca 420
aagataaggc ccngaaagat aaagagaagg cgtttttcca aaatggtttg cttaaaaagg 480
at 482

```

<210> 561

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 434, 448, 449, 467, 471, 477, 481, 486, 497, 511, 514, 534, 536, 554

<223> n = A,T,C or G

<400> 561

```

aaagcctgat ctggtgtgaa taatcaacta ggaaatctaa acttggataa cacgtggtga 60
acaactgcct ttagctgggtc cagattaatc atttcaaaga catccatttt agatcacaag 120
caggaagtcg atagtctcaa aggcactttg tttctcccaa gtaggccacc aggcagcctc 180
tagagttgct ttacccaaat ccttctccag ccatgacttg gtgactctaa gcttgctccc 240
acctgcccc tccacttccc tcagatgatg aggagccagg gctaaggggg cagccttctc 300
tcttcccagt gatgcacatc cttcacattg gctgctttgt tctggaatat ggatatctca 360
acctggatgc ccgaggaagc tgctggatgc ttaatggtgc tagaagctca agtgtgtttg 420
aaacaaaaac ccanttgtcc cccatgcnna aagaaatcct gtgtgancct nttggtntta 480
naaaanaaat ctggccnttt ttttaacatt nacntttttg ccttttaggg aaananaccg 540
gggaacaaaa aatnaatttt gg 562

```

<210> 562

<211> 323



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 182, 210, 266, 294, 296, 299  
<223> n = A,T,C or G

<400> 562  
aaatgacacc accaagcctg tgggccttct cctaagtgaag agattcatta atgtccctcc 60  
acagatcgct ctgcccattgt accagcagct tcagaaagaa ctggcggggg cacacagaac 120  
cagtaagcca tgtgggaagt gctactttta ccttctgatt agtaagacat ttgtggaagc 180  
angaaaaaac aattccaaaa agaaacctan caacaaaaag aaagctgcgt taatgtttgc 240  
aaatgcagag gaagaatttt tctatnagga gcagggaaaa cctgaagtgc ttgnangtnc 300  
ataccaagga agaggattgg aat 323

<210> 563  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 97, 174, 352, 355, 356, 362, 383  
<223> n = A,T,C or G

<400> 563  
ctgcccgaag gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cgggtggcga 60  
agacggggat gagctcagga cagagccaga ggccaanaaa gagtaagacg gccgcaaaga 120  
aaaatgacaa agaggcagca ggagagggcc cagccctgta tgaggacccc ccanatcaga 180  
aaacctcacc cagtggcaaa cctgccacac tcaagatctg ctcttggaat gtggatgggc 240  
ttcgagcctg gattaagaag aaaggattag attgggtaaa ggaagaagcc ccaaataac 300  
tgtgccttca agagaccaa tgttcagaga acaaaactac cagaccttcg gncgnnacca 360  
cncctaaggg gcgaattcca acncacttgg c 391

<210> 564  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 341, 414, 425, 427, 443, 456, 480, 486, 487, 491, 545  
<223> n = A,T,C or G

<400> 564  
cgacaaaaca gggtttcccca tgaagcaggg tgtcttgacc catggccgtg tccgcctgct 60  
actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa agagaaaaac 120  
agttcgtggg tgcattgtgg atgcaaatct gagcattctc aacttggtta ttgtaaaaaa 180  
aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc tgggccccaa 240  
aagagctagc agaatccgca acttttcaat ctctctaaag aagatgatgt ccgccagtat 300  
gttgtaagaa agcccttaaa taaagaaggt aagaaaccta ngaccaaagc acccaagatt 360  
cagcgtcttt gttctccacg tgtccttgca gcacaaacgg cggcgtattt gttntgaaaa 420  
accancntcc cagaaaaata aanaaaaagg ttgcanaaaa tgcttaactt ttggaccttn 480

ggccgnnacc nccctaaggg cgaattccac ccccttggcg gccgtccttt gggatccaac 540  
 ttggnccaac ttgg 554

<210> 565  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 385, 391, 411, 425, 429, 435, 440, 466, 468, 483  
 <223> n = A,T,C or G

<400> 565  
 ctgtgtgaca taggacatct tctttctctg tctcacttga ataatatgat gtgtcagagg 60  
 agacatgatt gtaattgcct aaagcaattc ttgtgatcaa gaatcagaag catgaacagt 120  
 attgccctct gtgttagccc ctttataagg gaggatatca tcttcagcat gctgaattgt 180  
 catctttctt agcagtgcaa atgactaaaa cttagccaat gtagagttag tccaaatttg 240  
 gagctcataa ctcaattctt gagcaaagtg aaaagaaaac attgtgatta tggggaaaat 300  
 atttgatggg acttatcaaa taaagatagg aaaagaagaa aaccxaaata ttataggcag 360  
 aaatgctaaa gggtttacct gccnngcg gcccctcgaaa gggcgaaatt ncacacactg 420  
 gcggnctgnc ttagnngatn ccacctcgg gacccaaact tggggngnaa tcatgggcaa 480  
 tancttgtt 489

<210> 566  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 403, 477, 499, 505, 514, 527, 537, 543, 564, 571, 581, 584,  
 598, 603  
 <223> n = A,T,C or G

<400> 566  
 aaaattattg agatcatgaa aaacaaggaa acattaataa atttccatag attggaagca 60  
 aataagatat gatgactaaa tgtgacataa tattctggat tgcattcctg aacatgaaaa 120  
 ggacattaat gggaaaactg gtgagctaca ttatacaaaa taactgatca gtgctcttca 180  
 aggtgtcaag attatcaaag acataaaaga atggatgaac tgccatagat tggaggagac 240  
 aatgcaatgt gaaatcctga atttgaccct gaacagaaaa tgcaatgtag tggagaaaact 300  
 ggtaaaatgc agataaaatc tagtttagtt aatcatattg taccaaagtt catttcttag 360  
 ttttgataac tcttgatggg tataaaagat gttgaccatg aanaatgctt ggatgaagtg 420  
 gtgtgccacc aacctggttg ctgggttttt ccaccttttc ttgtaatttt taccttnggg 480  
 ccgggaaccc ccccttaang ggggnaaatt cccncccccc cttgggnggg gccgttncct 540  
 tanggggaat cccaaacttt gggnccccaa nctttggggg naancaatgg gccatacntg 600  
 ttncccc 607

<210> 567  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 393, 404, 430, 452, 453, 468, 500, 509, 519, 529  
 <223> n = A,T,C or G

<400> 567  
 cctacccatt ctcctagttt cttgtttgtca tcaaccttaa ttaggttgat ttggtgttca 60  
 gcacaaaggg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120  
 caaagatggg cttggcgctt tttcctaggt ttccggtagg acggatgcca ttcagaactt 180  
 ttgcgctaac accatgaact ccatgccttc ttcccttggg tggcagtttt gttccggttg 240  
 caagaacca cagtattgag actgatacac gtacttgtct aagctttggc agcttcgcga 300  
 attccacgtg ctaggccatc gtggatgaag ggcagcttc agaacctctt gtaaaagcag 360  
 tattaaccgt ccattacacc ttcacaacaa tgnctttctt cggnatggc gggggggtac 420  
 cgggtgaaan ttgaaacttt gaaccaccca anncttccgc tttcggcnaa attgggaacc 480  
 ttgcccgggg gggccgtttt aaaaggggna aattccaana cacttgggng ggccgttact 540  
 aaagggaatc ccaaa 555

<210> 568  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<400> 568  
 aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacctctca attcactcat 60  
 atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agttttatatt 120  
 atttattttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180  
 tggcctcggg tcaactgcaac ctctgcctcc cgggtttaag caattctcct gcctcagcct 240  
 cccaggtagc tgggattaca ggtgcatgct actgcgcccg gctaatttat gtatttttat 300  
 tagagatggg gtttcaccat attgg 325

<210> 569  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 569  
 ccaccttga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60  
 acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120  
 ccagatcct gctgaaggcc ctccaccaact tgccgcacac agacttcacc ctgtgcaagt 180  
 gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240  
 acctgctgga gacctgccat ttccagg 267

<210> 570  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 344, 393, 414, 415, 424  
 <223> n = A,T,C or G

<400> 570  
 aaaaactcat cattgccatg tccaggagag gcaatctagc tggagtcagg tgatccagtc 60  
 cattcctgtc aaagcctcca acagctacag cacaacaccc atcagtttgc gatggctggg 120

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```

gggccttctg gaagaagaga ggcaaagaaa gtcttgaaga caagccatgc tgtgctcata 180
aaggaggggc tggctctgctc gccatctagt acatccctgt ctggagggag gtgggtgggg 240
tcttcagttt caggatcagt gccttctgt aagttattgt tggggctctg atttacaacg 300
tcaggaggag gaccatcatt tggaagtgc tgaaccggcc tcgntaaat ggaaccaccc 360
aacgtgatgc cttcaaagga agcacataaa agncctttta actgatgtca cagnnggact 420
tctnaagaat ccaagggttc cccctttat c 451

```

```

<210> 571
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 571
ccacagctaa catcattgca gcacctttac tccttcgggt gtgatccaat ctccagctca 60
ctttttgccg gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gogttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccaggga tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggtcttgtag attttggtc gtttttcccg aatttctgtc ttaggcactg tcgcttcccg 360
gggtgaagga catcaatgac cttt 385

```

```

<210> 572
<211> 582
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 371, 479, 493, 529, 531, 533, 542, 557, 560
<223> n = A,T,C or G

```

```

<400> 572
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tagacctacc cctgccgggc tccaaacaga tccccctacc cattcctttc atgtactgtt 180
tggctctgga agaggctcac acaagttggc tttgggtttt gcttcaacat agaaaccacg 240
agccttatac cttgaatatg ggtagtttca ttgccagtaa tgggaactct ggaactgcca 300
aagggaactgt atcctctttc tgacctggtg ttgctttctt ttgttaggct tcccagctct 360
gtgccagca ncctgtccag aatgagctgt tcagagatcc aacaactgca gtctccttat 420
tcacttttaa agaattgaaa accaaaaagg tgagtttctt tccttaggaa ggttcaaanc 480
cccccttctt aantttccct ggttgaaaac tttttgctgg cttgccccnt ntngggaaac 540
cnggggggaa gggaacnttn ccaaaaaaat ttcccggggg gg 582

```

```

<210> 573
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 78, 107, 165, 200, 206, 233, 234, 344, 377, 395, 407,
411, 429, 483, 496, 505, 518, 530, 538
<223> n = A,T,C or G

```

&lt;400&gt; 573

```

ccactgcnga ctgagcggtg gaccgaattg ggaccgctgg cttataagcg atcatgtttc 60
tccagtatta cctcaacnag caggggagatc gagtctatac gctgaanaaa tttgacccga 120
tgggacaaca gacctgctca gcccacctcg ctcggttctc cccanatgac aaatactctc 180
gacaccgaat caccatcaan aaacgnttca aggtgctcat gaccacacaac cgnnccctgt 240
cctctgaggg tcccttaaac tgatgtcttt tctgccacct gttacccctc ggagactccg 300
taaccaaact cticggactg tgagccctga tgcctttttg ccanccatac ttttttgga 360
tccagtctct cgtggcnatt gattatgctt gggnggaagg caatcantgg nggcattcac 420
cccttaaang ggaaccacat ttggactttt ttttttttca tttttttaac ctttggggccc 480
ggnaaccccc cccttnaagg ggccnaaatt tcccaacnac caccttgggn gggggccntt 540

```

&lt;210&gt; 574

&lt;211&gt; 510

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 428, 436, 439, 443, 450, 460, 464, 467, 482, 493, 500, 501

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 574

```

aaaattttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcacatgc tctggctcgca atccgtgtgc 180
atcagggtacc agtaacaaag tggtagtgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggagggt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaaata ctataaaca acctttcttg atgaggctta aggggtatatt agaggagtat 360
aaccttaaaa ataaagatga aaaatttatg aaccgggctc tgttttcatg atgagagagt 420
acgtgcantc ccctgnceng gcnggcetn gaaagggccn attncancac ctggcgggccc 480
tncatggat ccnacttggg ncaaacttgg 510

```

&lt;210&gt; 575

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 403, 494, 500, 503

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 575

```

ctgaaaacag tgggaggcca gatgctggca tcttccagac gggagcatag ccatgggtcac 60
tctagccgat gtctcctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
atcccagttt tacttagagc cacctccttt tttggggcca ttagtcctta tttcatgcca 180
gattttcact agcggctccc tgttcttcca aatcagttca tgaccgtaag taacatacca 240
tattccaaaa agagctcccc caagatgtgc cgcacatgca aaaaatttcc atcccaggat 300
cattcctgct gtatccatgg cgataatggc tttcagggca ttccctgctg tgaacgtgaa 360
catcggaagg aaaataatgg caagcctcct tctgggatct tantgcagac agacctgccc 420
gggcggccgt tcgaaagggg aattccacac actgcggccg ttctatggat ccaactcgga 480
ccaacttggg taanatggcn tantgttccct gg 512

```

<210> 576  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 310, 331, 359, 415, 424  
 <223> n = A,T,C or G

<400> 576  
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 aggcccaggc ttgtggctga gaacatccac tttcagtcct atatacctgc ctccaagtgt 120  
 ggtacagaga acttgggcct gctgggggag cttagcctta ctctctccac cacctctccc 180  
 accaaccctc agatgaactg caggtagacg tttcttccct gcttggagcc ccagtttttg 240  
 catttcattt tcattaaaat gaaaggtggt ttgggttttg ttctaaggag ctctacagtt 300  
 taacagaaan gagggacctt agggggccaa naaagcaggg gcctaccaag tatctccnt 360  
 ttgaaaatgg aatactgata aaaaattttt acctgcccgg cggccctcaa aaggngaaat 420  
 ccnactactg gcgggagc 437

<210> 577  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 577  
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 acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acgggtcacg 120  
 cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180  
 gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgagg 240  
 acctgctgga gacctgccat ttccagg 267

<210> 578  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 578  
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 agctactttg gaagcacaaa agttaccctt ttccatcctt ggcccttccc tggttggtac 120  
 atctagttat gagatagacg cgcaccactt aacaaatcac tcccttttga ccgcagggtg 180  
 tttctcttcc atatttgacg aggctggcaa cagctcccga atcttggcct agcacatcac 240  
 gaattgggaa gctaaagctt tagcttagaa tgccaagtga caaggacatg gctgaagcag 300  
 gaggggaaat tctggaacaa gtgcctctgg gcaaacctca caaccgagtt tttt 354

<210> 579  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 283, 365, 366, 376, 379, 387, 389, 392  
 <223> n = A,T,C or G

<400> 579

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acttccttcc tgatttgagt cacgtgttcc acttggaag aaagggaaca gagagcctcc 180
tccatggaca gtgtatgaat ttcattggga atcttgctct ctcccgctc tatgcctttc 240
tctcttttta accttacttt acataatatt atagatgggc cangaaaaga aaagatgaca 300
taacattttg atgaattaca cctattccat tcttcacgtt tcacaattgg tccgaacttt 360
ggtttnnaaga ataatngtna gaaggcntng gntccaaaaa ac 402

```

<210> 580

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 407, 442, 447, 477, 513, 517

<223> n = A,T,C or G

<400> 580

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ccattgattt aggccactgg cttagagtag tcttccctt gcatgacact gattacaaat 60
actttcctat tcatactttc caattatgag atggactgtg ggtactggga gtgatcacta 120
acaccatagt aatgtctaat attcacaggc agatctgctt ggggaagcta gttatgtgaa 180
aggcaaatag agtcatacag tagctcaaaa ggcaaccata attctctttg gtgcagggtct 240
tgggagcgtg atctagatta cactgcacca ttcccaagtt aatcccctga aaacttactc 300
tcaactggag caaatgaact ttggtcccaa atatccatct ttccagtagc gttaattatg 360
ctctgtttcc aactgcattt cctttccaat tgaattaaag tgtgggnctc gtttttagtc 420
atttacctcg gccgcgacca cncctaanggc gaattccaca cactgcggcc gtactantgg 480
atccaactcg gaccaacttg gcgaaacatg ggnatantgt tcct 524

```

<210> 581

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 398, 404, 467, 474, 489, 493

<223> n = A,T,C or G

<400> 581

```

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ttctgtaaaa aggagacca ggggtgtaat gtttttaatg ttccagaagc ctaacttttt 120
acacagtggg tacatttcac atttcactaa tggtgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttgggttagca 240
tctcatcttg cattctgac aattggcaag aaaggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggg 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttnc tgaanagtta cctcgccgc 420
gacacgctaa ggcgaattca acacctggcg gccgtctagt ggatccnact cggnccaagc 480
tggcgaatnt ggnatactgt tcct 504

```

<210> 582

<211> 511

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 456, 471, 474, 492, 496, 508  
<223> n = A,T,C or G

<400> 582  
aaaattttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60  
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgctactctt ggctggacag 120  
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180  
atcaggatcc agtaacaaag tggatctgag aaatatcctc atgtcacata gatctcaata 240  
tgccattggg caaggagggt gtccagaagg aaattaggac gttatcaagg atgaagctat 300  
agtaaaaaata ctataaaca acctttcttg atgaggctta aggggttatt agaggagtat 360  
aaccttaaaa ataaagatga aaaatttatg aacggggctc ttgtttcatg atggagaagg 420  
taccgtccag tccacctgcc ccgggcgggc cgttcnaaag ggcgaattcc ncanctgcgg 480  
gcggttacta gnggantcca cctcggtnc a 511

<210> 583  
<211> 543  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 406, 410, 422, 455, 467, 485, 491, 498, 500, 511, 517  
<223> n = A,T,C or G

<400> 583  
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aatccaggca caactacaag agcggaatga cctcagcaa ctgctattag atgccaagca 120  
catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180  
cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240  
agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaa tcaaggatct 300  
gttaaatctg gtaaaagtag atcaaatacag agattgacag cctgtggagg gtgcttgaac 360  
tatacagaat tagacacact atgtcattat tttttggacc tactgnntan aataaaaaaca 420  
cnttgaaata tgacctcggc cgcgaccccc cttanggcga atttccnccc actgggcggc 480  
cgtttctagt nggatccnan ctcgggccca ncttgnggt aatcatgggc ttagtgttcc 540  
tgg 543

<210> 584  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 362, 393, 401, 409, 415, 421  
<223> n = A,T,C or G

<400> 584  
cctttcactg tgggtctggga aagaatcagt aagatgacag ggctgacttc attagatgag 60  
gagcttttct atccagtttc ctggaggaat aaggacactg ccttttcaga ttaaagattg 120



```

tctgatttag agaccatgga ggtggacaga gaataacaaa accgtgatgg cagtcacat 180
gcttattgca gttagcacac acttttctctg acaggcacag tgctgctgtg ctctacaaat 240
gaccatgaaa tagagcacgc catgacttta ggacacaggg atttttatgg gaagagagtt 300
catcagggac tgattacgta ggagagacga tgcaggggaa atggtggacc tgcccgggcg 360
gncgctcgaa agggcgaaatt ccaccactgc ggcgcgtacta ntggatccna ctcgnaccca 420
ncttggcgta atcatggcat actgtt 446

```

```

<210> 585
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<400> 585
ctcttggtga aatccgaaat ttcttgggtg aaaaatatat ccgcagggtt cggatgagac 60
caggtgttgc ttgttcagta tctcaagccc agaaagatga attaatcctt gaaggaaatg 120
acattgagct tgtttcaaatt tcagcggctt tgattcagca agccacaaca gttaaaaaca 180
aggatatcag gaaatttttg gatggtatct atgtctctga aaaaggaact gttcagcagg 240
ctgatgaata agatctaaga gttacctggc tacagaaaga agatgccaga tgacacttaa 300
gacctact 308

```

```

<210> 586
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<400> 586
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acgtagagtg gttggcatgg ggtgccagca tcgtgcaagc tctgtcataa tctgcatctt 120
cccagcagcc tggtacccca ggttctctgta actccctgcc tcctcctctc ttctgctgtt 180
ctgctcctcc cagacagagc ctttccctca cccctgacc ccctgggctg accaaaatgt 240
gcttttctact gtgagtcctt atcccaagat cctgggggaa ggagagacca tgggtgtgaat 300
gtagagatgc cacctccctc tctctgagge agg 333

```

```

<210> 587
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<400> 587
ccatgaagct cttagacaaa tctatctctc tggacttcat tcctggaaaa agaagttcat 60
cagattcaag aacggcatca tcaactggcgt gtaccgggca agcccctcca g 111

```

```

<210> 588
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> 49, 67, 72, 77, 80, 106, 121, 181, 212, 220, 269, 311, 337,
341, 350, 354, 365, 374, 393, 404, 405, 436, 439, 441, 456,
458, 498, 517, 525, 526, 544, 547, 571, 575, 576, 593
<223> n = A,T,C or G

```

&lt;400&gt; 588

```

gagccacag  gggaagagca  gcggaagggg  cttttcggaa  cgaatttgna  ttgaaaggaa  60
gtggaanaaa  cncgganccn  tggccgttgt  ggttgctgtt  tgcgngggtc  tagggaggaa  120
naagttgaca  cacttggtta  cggcttgctg  tcagccttac  acatcccggg  actcacacgg  180
ngctttggag  aagaggttgt  tcacaacagg  tntccagcan  tgaggacctg  cccatttcaa  240
tggaaaatcc  ttataaagaa  cctcttaana  aatgtatctt  gtgtggaaag  catgtagatt  300
ataagaatgt  nacttttttg  tcccagtttg  ttctcctttt  nctggatgcn  tttntggaag  360
gcccnttaca  ggtnttttgt  gaagaacccg  aangaatccc  aaanncattt  agaaaactca  420
atatgggggt  tttcctttnc  ntccaaggat  cctgcntntt  taaggcccta  agttgtacct  480
caaattcggg  aataaatntt  ttcttccct  tataacnttt  ttccnaagg  gttgttaagc  540
catntgntta  aaccaccttt  gataaaaaag  ntttngagg  ggggaaaaaa  acnttccttt  600
tccaat                                           606

```

&lt;210&gt; 589

&lt;211&gt; 597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 471, 488, 496, 508, 539, 547, 568, 577, 581, 585

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 589

```

aaatagctga  gcacctactg  gaagaattcc  tgggctaaat  gctgaaaata  aaatttaatt  60
tctgcacaga  aaataccatt  aacttagtag  ctttgctta  aagggtgggat  taattctcca  120
tgaagtcaga  atgagacaat  aagcagcatt  aacttcatag  gcacacagaa  ctagtgtcca  180
aactgctagc  acaaattcca  acagagtaca  taaggctaag  tcactactca  agtgtccatt  240
tccatcaaat  ttagagactc  tccctatgca  tctaagggaa  ggaattatca  ctgaatataa  300
atgcctccag  gagaaacgga  gaattcagtt  aaggttaaat  tagacaaaag  ataataagtg  360
caagtactag  agaaatgttg  ctggagataa  accataaaaa  tttgtgacct  aaccgtggca  420
tgggggtgaat  cgcataagct  gctagctggg  gaaccccgat  gtttcaagat  nactttttta  480
taaaccgntt  tatttnggtt  tgcttatncc  atcaaaactg  gaaacttcct  gcccctgana  540
ttccctngaa  accgggggaa  tcaatttnaa  aaccccnttc  ntggnggcct  ttcaaaa     597

```

&lt;210&gt; 590

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 372, 471, 474, 478, 493, 504, 518, 530, 538, 544, 551, 566

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 590

```

ctgatagcct  ggtgcccttg  actgtccaaa  actgttacag  gcccatagtc  caagacaaga  60
ttctcatgag  aaaaagtgca  ggagagacag  gaaatgggac  cccaggagtc  tgttctcatg  120
acatgaattc  agtggaaaca  atgggatggg  tccgctcttt  tccagttttt  ggttgacttt  180
cttctttgat  gatctttctt  tctcctgacc  cttccgcccc  ccctgaccct  ctcccaggga  240
tgggaagcag  gatattttca  taaagccttt  gttcctggga  ggagctcatg  ctctgtctcg  300
ggtcaaactc  tcccttccca  ttccaactac  tcaggtgccc  atggacttcc  tgcaggaaca  360
tctccaggag  tncaggcttc  cttgcccata  ttttatctgg  gatgggagta  aagaccacc  420
gtctaattca  cgtaaaatct  aaattgcttt  ttaccttgcc  cgggcggccg  ntcnaaangg  480

```

gcgaaatttc cancacactt gggnggccgg ttcctaangg gaatcccaan cttcggncc 540  
 caancttggg ngtaaactcat tgggcnatt 569

<210> 591  
 <211> 663  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 376, 397, 438, 452, 456, 472, 477, 498, 499, 510, 535, 553,  
 558, 568, 578, 583, 593, 618, 639, 643, 654, 657  
 <223> n = A,T,C or G

<400> 591  
 agaaaatgtc gacattactc tgaaggagcg cacagttatc gtgaagggcc ccagaggaac 60  
 cctgcggagg gacttcaatc acatcaatgt agaactcagc cttcttggaa agaaaaaaaa 120  
 gaggtccggg gttgacaaat ggtggggtaa cagaaaggaa ctggctaccg ttcggactat 180  
 ttgtagtcat gtacagaaca tgatcaaggg tgttacctg ggcttccgtt acaagatgag 240  
 gtctgtgtat gctcacttcc ccataacgt tgttatccag gagaatgggt ctcttgttga 300  
 aatccgaaat ttcttgggtg aaaaatatat ccgcagggtt cggatgaaac cagggtgttg 360  
 ttgttcagta tctcangccc agaaagatga attaatnctt gaaggaaatg acattgagct 420  
 tgtttcaaat tcagcggntt ttgattcaca angccncaac agttaaaaaac anggatntca 480  
 ggaaaatttt gggatggnnt cttttgtctn ttaaaaaagg acctgttcac caggnttgtg 540  
 aataaaaact aanaattncc tggctccnaa agaaaatncc cantgacctt tanacctctt 600  
 tggaatttac ctgccggngg gccttcaaag gggaattcnc cnttggggc cttnttnggg 660  
 acc 663

<210> 592  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 592  
 ctgtagccga gagtcaccag gtccccacag ggtgtcagag aggggtgtgga gctgcttagc 60  
 actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcgggtg 120  
 agtcagagac ccctcatatt ggaagtagcg gctgaagtca gagggcagga gtgcagatat 180  
 gtccagtcct gggacctgag tctctgagcc ttcctcagcg atttcttcca agcgagacag 240  
 caactgctca taggcactgt tttcttccgg gccctcctcc agaaaggcgg ccaacac 297

<210> 593  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 593  
 ccaccatttc ccctgcacgc tctctcctac gtaatcagtc cctgatgaac tctcttccca 60  
 taaaaatccc tgtgtcctaa agtcatggcg tgcctatatt catggtcatt tgtagagcac 120  
 agcagcactg tgccgtgcag gaaaagtgtg tgctaactgc aataggcatg atgactgcc 180  
 tcacggtttt gttattctct gtccacctcc atgggtctcta aatcagacaa tctttaatct 240  
 gaaaaggcag tgtccttatt cctccaggaa actggataga aaagctcctc atctaataaa 300  
 gtcagccctg tcatcttact gattctttcc cagacca 337

<210> 594

<211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 594  
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60  
 ttttgctggc tataagcggg gtctccggaa ccaaaggag cacacagctc ttcttaaaat 120  
 tgaaggtggt tacgcccag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180  
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcac 240  
 ctggggaaaa gtaactcggg cccatggaaa cagtggcatg gttcgtgcca aattccgaag 300  
 caatcttcct gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360  
 tt 362

<210> 595  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 361, 393, 450, 471, 472, 482, 501, 509, 519  
 <223> n = A,T,C or G

<400> 595  
 aaaattataa gatttacagt gccttgatta tgcaaatag cataatggaa attaaaccaa 60  
 atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120  
 ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaagtgt 180  
 tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaate 240  
 ctattatacc tagtgtttat actgcaacag cagcaaatct cacatgtgta atcaaagtgt 300  
 gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360  
 ngtacattac attaaaccaga gcgtagaagt tantacctta ttgcaggggt gggatttctt 420  
 tccctctgac tgaatcaaaa ctcgcccgcn accccctaag ggcgaaattc nncccactgg 480  
 cnggccgtac tagtggtacc nacttcggnc caacttgng aaacatgggc attactgttc 540  
 cctggg 546

<210> 596  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 194, 214, 280, 282, 285, 316, 325, 326, 342, 362, 371, 392,  
 396, 398, 407, 412, 435, 436, 451  
 <223> n = A,T,C or G

<400> 596  
 ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60  
 gaaggatgga gtggggatgg tcgagtatct cagaaaagaa agacatggaa tatgccctgc 120  
 gttaaactgga tgacaccaaa ttccgctctc atgagggtga aacttcctac atccgagttt 180  
 atcctgagag aanaccagc tatggctact cacnggctcg gctgggtcaa gggggcccgt 240  
 gactctccat accaaagcag ggggttcccc cactactttn tntcnttttag ggcccttctt 300  
 gaaacagggg aagggnatt ttttntttt ttttttagg gnaacctgaa cccttttttg 360  
 gnccccaaaa ntcccttcc caaattgggg gntttngngg tttaggnaaa anttttttaa 420

attttttttt taccnncccg gggggccttt naaaaggggg aaattccc

468

<210> 597

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 400, 407, 426, 429, 450, 461, 462, 477, 481, 498, 534, 536, 548

<223> n = A,T,C or G

<400> 597

```
gagagatatg aactctaaca aaggactgag gagtgcagtc tgctggttca ggctcttcaa 60
aagatgtaga aaaagagata gaaggaacca cctatgctta aaatactgta aatatgcagt 120
gaggtttggc aaaatctatt ccatgtgtga tttgcttgta gaaacaattt tgaaagcccc 180
ttgaggaaaa taaaaatcaa gaagaacact tttctccctt ttccatacaa attaaaactt 240
aacagcatca aattattggg accagaaacc aagtaatgta taatgggggc ttttggtgag 300
ttaaataaga tgctatataa tggagaagaa tttgaaaatg cacaaaaaaa tcaatctaca 360
ttatcagacc tgcgtgaaat taactatggt aataaaccan ttgcagngcc caactatagg 420
tctttntcnc taccaggagt acaaactgtn tggccggtaa nnctagctct attgtgnttg 480
nctgctttac tgttgtanac tactcgtgct tgatattctg cgcccagatc cctngnttgc 540
ctgcctgntg t                                     551
```

<210> 598

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 234, 242, 243, 244, 254, 264, 276, 278

<223> n = A,T,C or G

<400> 598

```
gggaatgtga aattttacatc atttcttttt gggagagact tgttttggat gccccctaata 60
ccctttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggttttt 120
tagttgaatt ttttttaaca ttctcatga atgtaaattt gtactattta actgactatt 180
cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccaaata aaanaaaaaa 240
annnaaaaaa aaanaaaatt ttctttcccg gggggncntt taaaagggga aattcccccc 300
```

<210> 599

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 258

<223> n = A,T,C or G

<400> 599

```

ccaggccatg ttatgggata tcaacgaagg caaacacctt tacacgctag atgggtgggga 60
catcatcaac gccctgtgct tcagccctaa ccgctactgg ctgtgtgctg ccacaggccc 120
cagcatcaag atctgggatt tagagggaaa gatcattgta gatgaactga agcaagaagt 180
tatcagtacc agcagcaagg cagaaccacc ccagtgcacc tccctggcct ggtctgctga 240
tggacctgcc cgggcggncc ctcgaaaggg cgaattccag cacactttgg cgggtactag 300
tggatccaac tcggaccaac cttgcgtaat atggcata 338

```

```

<210> 600
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> 7, 415, 478, 485, 491, 507, 523, 526
<223> n = A,T,C or G

```

```

<400> 600
aaatcangag catataggtc ataataaaat gagctacagg cacaagcca gtaacacatt 60
tatgggtccgt tcatctggaa aagtttcacc gccactccc cactcctctt cccctcctg 120
gaagcggcca gctttatcct tggcatttta attttagaga aaatttaaac ttccatgctg 180
ccctgtggct tcggatcaat gagcttcttt ctccagttat ggaatgagtc agcaaaacgg 240
gggagttctg atccttggaa ttaggagggg acagtttaca gaatgtcttc atttcactct 300
tttcccaatc atgggaaata tccagccaat tctgggttta aagattcata tcaaattcaa 360
agtccctccc tctttttggc gaggaagaca accctttgga gcgaacacaa aagancaaat 420
gtaaaatcca tcttgggcgg ggcatgggtg ctcacctgt aatcccacac ttggggangc 480
caagnaggca natacagggc aaaaatnaaa catctggact cgncgnacac ctagggggaat 540
tcacc 545

```

```

<210> 601
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 601
ccattatata agcaagagat gcaccagtaa tggccctctg gaatttgact gctcggcggg 60
ttcttttctt ttgaatttct tccgactgtc cctttttgtg cttccttctg tagaggacag 120
tccagtttat ctgccgagga ttctcttgg aaaggaaagc cgactcgcat ttgcatttaa 180
gaaactggaa aaccttcccg tcggtcctgg cgtagcgct cccgtgtccg gg 232

```

```

<210> 602
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<400> 602
ctgaagcact tctcctagat ttgctcttaa cagaacgaat gcatacgota cagattcctc 60
aacggaatca acagaattcc tttctccaca ttctaaaaac tgggtaccac ggtccgcaat 120
aatagtcacc agaccatca tcacaggcta tgtcactaaa actgaccgaa gcgttttcca 180
gttcacattt tcttaaagat ttataaatgt gacaaccctt ctctccttag aaagttatac 240
ttctggcact tgaaatgctg gatttgttgt cagtttacct gccggcg 287

```

```

<210> 603
<211> 416

```

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 320, 407, 415  
<223> n = A,T,C or G

<400> 603  
cagcctggag gtttggagac tcattctgga atctagtgtg ggtcaagcca acttcagggg 60  
gaggctgagc cagggtagga gtcacaggag cagacgagga tgtgggggtgc cgtgcacaga 120  
gctccatgac cagcttggga agttagaagg aaggggaggc aggaggctgc ttagtctgct 180  
gccatgatgg gccccatgaa tgggtggctct caagcttctg tgctacacag ggggtgtctgg 240  
tggccttgtg acctgccgca gccatggggg ctgtggacga ccccatctgc tccctctctg 300  
aactccatgg ggcaccacan gaatctggac ctgtgccaca accacagcag ttgcctctgc 360  
cctgccacaa acctcggccg cgaccacct taagggcgaa attccancac acttnt 416

<210> 604  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 309, 318, 328, 355  
<223> n = A,T,C or G

<400> 604  
aaagagctta tcctcagaaa taagcttcgt cttgagttgt tgaactacaa aacactatatt 60  
tctgcagtca tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120  
tctccctgtc tctctgtccc tctacccca cggggccgca gcaaaagcca tcctgggcct 180  
tcgactgggc catgtcttca ggaagattcc tgaagaggag ggcccgaat acctgccttt 240  
ataggttccc agagtgcctt aaacattctt agatacatat tttttacctg ccccggcggc 300  
cgtcgaaang gcgaattnca cacacctntg gcgcgtacta tggatccaac tcggnccaac 360  
ttgg

<210> 605  
<211> 775  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 159, 176, 177, 237, 305, 387, 410, 432, 435, 443, 444, 445,  
474, 475, 506, 521, 527, 533, 540, 550, 565, 573, 580, 581,  
586, 590, 613, 624, 633, 643, 649, 650, 656, 669, 675, 680,  
701, 704, 735, 741, 746, 747, 751, 762  
<223> n = A,T,C or G

<400> 605  
actggcattc cttcgacttc tctccagccg agcttcccag aacatcacat atcactgcaa 60  
aaatagcatt gcatacatgg atcaggccag tggaaatgta aagaaggccc tgaagctgat 120  
gggggtcaa at gaaggatgaat tcaaggctga aggaaatanc aaattcacct acacanntct 180  
ggatgatggt tgcacgaaac aactggggga atggagcaaa acagtctttg aatatcnaac 240

```

acgcaaggct gtgacactac ctattgtaga tattgcaccc tatgacattg gtgggtcctga 300
tcaanaatTT ggtgtggacg ttggccctgt ttgctTTTTa taaaccaaac tctatctgaa 360
atcccaacaa aaaaaaatta actcccnatg tggctcctctt gttctaaten tgtcaaccag 420
tgcaagtgaC cnacnaaaat tcnnntatTT attttccaaa agtttggaag caannttaat 480
ttgccaaaaa aaaaaaaaaa cttttntttt ttttttgTcc ncccaancaa atnaaaaaagn 540
tttttttttn ttttttttcc caatnccaat ttnaaaaaagn ntcaangggg cttaaaaaaa 600
aaacttcacc ctttttttat aaanaaccgg ggnttatTTt ttnaaaccnn ccccntcca 660
aaaaaaaang gggtncccn aaaaaaaacc tttttttttt nttnaacca aaataaaaaa 720
ccccctttt ttttnccttg ngaaannaaa nttttttttc cnaaaaaaaa atttc 775

```

```

<210> 606
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G

```

```

<400> 606
cccgaatTTt tggctatgat ggctagaaaa atgaaagata cagatagtga agaagaaatc 60
cgtgaggcat tccgagtctt tgacaaggat ggcaatgggt atatcagtgc agcagaacta 120
cgtcacgtca tgacaaactt aggagaaaaa ctaacagatg aagaagtaga tgaaatgatc 180
agagaagcag atattgatgg agacggacaa gtcaactatg aagaattcgt acagatgatg 240
actgcaaaat gaagacctgc ttccaactcc tttttccccc ctctagaaaa atcaaattga 300
atcttttacn ttacctcttg caaaaaaaaa aaaaaaaaaa aaa 343

```

```

<210> 607
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 247, 249
<223> n = A,T,C or G

```

```

<400> 607
ctgtggccct gactcaactgg ccctgctggc atttattcag cacatattaa atgacgaagg 60
ctttgagtca acaccatcag tgggtaatca atctgggtgc cctcccccta ccctgagaga 120
gctatcctgc ccataaacta tcaaaggTTa gttttaggac cacataagta aacaagtcat 180
ttagataaac tacatttctg tgtatctatg ccctaagctt ttaagagaat tcagacctcg 240
gccgcgncnc cctta 255

```

```

<210> 608
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 303, 352
<223> n = A,T,C or G

```



```

<400> 608
ggaaacactt cacgaagggg caaaagtggc ttcaattcta agagtggaca gcgggggatct 60
tccaagtctg gaaagttgaa aggagatgac cttcaggcca ttaagaagga gctgacccag 120
ataaaacaaa aagtggattc tctcctggaa aacctggaaa aaattgaaaa ggaacagagc 180
aaacaagcag tagagatgaa gaatgataag tcagaagagg agcagagcag cagctccgtg 240
aagaaagatg agactaatgt gaagatggag tctgaggggg gtgcagatga ctctgctgag 300
gangggggac ctactggatg atgatgataa tgaagatcgg ggggatgacc anacctcggc 360
cgcgga                                         365

```

```

<210> 609
<211> 205
<212> DNA
<213> Homo sapiens

```

```

<400> 609
aaaatgcttt ggtggcactt ttgtaaacag attgcttcta gattgtttaca aaccaagcct 60
aagacacatc tgtgaatact tagatttgta gcttaatcac attctagact tgtgagttga 120
atgacaaagc agttgaacaa aaattatggc atttaagaat ttaacatgtc ttagctgtaa 180
aaatgagaaa gtgttggttg gtttt                                         205

```

```

<210> 610
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 610
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcgcctcat tacgattcgc 120
ctgcttgctt ctctctgttc                                         140

```

```

<210> 611
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 335, 393, 411, 429, 452, 457, 462, 465, 488, 499, 528
<223> n = A,T,C or G

```

```

<400> 611
tccctctgtg gaagatatct aaaagccaca agtgggtgcaa atgtttatgg tttttgtttt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tctttttctc ttttgccac aatttaagca agtagatgtg 240
cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300
aaagtttttt caaattttct tcttttttaa tttanattga gttcatttat ttgaaacaga 360
ctgggccaat gtccacaaag aattcctggg cancaccacc gatgtccaaa ngtgcaatat 420
caaaggaang gcaggcgtga tggcttattt gntttgnatt cnaangatgg cttttccctt 480
cggccggnaa cacccttang ggggaatttc cacacacttg gcggccgnta ctagtggatc 540
c                                         541

```

```

<210> 612

```

<211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2  
 <223> n = A,T,C or G

<400> 612  
 nnctggggta caagcagact ctgaagatga tcagacaagg caaagcgaaa ttgggtcattc 60  
 tcgctaacaa ctgcccagct ttgaggaaat ctgaaataga gtactatgct atgtttggcta 120  
 aaactgggtgt ccatcactac agtggcaata atattgaact gggcacagca tgcggaaaaat 180  
 actacagagt gtgcacactg gctatcattg atccagggtga ctctgacatc attagaagca 240  
 tgccagaaca gactgggtgaa aagtaaacct tttcacctac aaaatttcac ctgcaaacct 300  
 taaacctgca aaatttttct ttaataaaaat ttgctttgttt t 341

<210> 613  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 613  
 ctgcaccaca cttccagcaa ggccctttggg aaaggtggga gagctagagg aataattaaa 60  
 gctgggtggaa ctacagttgga gtttagaaag cttcccataa aatgcctgct tgatgctgag 120  
 ttgggagggg agagaagaag gctccagagg ctactgagc cccttccttg gctctcgagg 180  
 taattttccag aagggcaagt ccatgacaaa gggcatccct tccaagtgac ccaccagttc 240  
 caggggacta tgcccagtag ctttctgtgt ctcggcattt gccttaagag gacccccac 300  
 aaaagtcttc tcattcttga cgctgccaac aaaggcatgt gggctttgga acccagtcct 360  
 cccttgaggt ctgtacccca ccagacatgg aagtttgtgc tttgggtcca acaccctcgg 420  
 gccgcgaaca 430

<210> 614  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 614  
 aaacttaaat tacctctcaa gagaccaagg tacatttacc tcattgtgta tataatgttt 60  
 aatatttgtc agagcattct ccaggtttgc agttttatct ctataaagta tgggtattat 120  
 gttgctcagt tactcaaagt gtactgtatt gtttatatct gtaccccaaa taacatcgct 180  
 tgtactttct gttttctgta ttgtatttgt gcaggattct ttaggcttta tcagtgtaat 240  
 ctctgccttt taagatatgt acagaaaatg tccatataaa tttccattga agtcgaatga 300  
 tactgagaag cctgtaaaga ggagaaaaaa acataagctg tgtttcccca taagtttttt 360  
 tacctgccgg gcggccc 377

<210> 615  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 508, 512, 525, 545, 546, 553, 556, 588

<223> n = A,T,C or G

<400> 615

```
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttggggttg 60
cacatTTTTg tttatcatac atttttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gcccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaaggggtg 360
gggtacaatg gggaacgcct gatgttggag gaaagcagga ggactttaga agtggagttg 420
cattctaata tctctgccgc ttcaactatg tgacctgggg caaatgatat aaactctatg 480
aacctctttc ctatctttta cctgcccnng cnggccgctc gaaanggcga atttcaacac 540
acctnngcgc cgnnttctat ggatccaact cgttaccaac cttggcgnaa tcatgg 596
```

<210> 616

<211> 214

<212> DNA

<213> Homo sapiens

<400> 616

```
cgcgcggccg tggaagggtca gcgccgtaat ggcgttcttg gcgtcgggac cctacctgac 60
ccatcagcaa aagggtgttg gcgtttataa gcgggcgcta cgccacctcg agtcgtggtg 120
cgtccagaga gacaaatacc gatactttgc ttgtttgatg agagcccggg ttgaagaaca 180
taagaatgaa aaggatatgg cgaaggccac ccag 214
```

<210> 617

<211> 149

<212> DNA

<213> Homo sapiens

<400> 617

```
ctgtgggagg ctctctgtgc taacaacaaa gttccacttc caggtctgcc tggttccctc 60
cccaaggcca caggagctc cgtcagcttc tccaagccc acgtcaggcc tggcctcatc 120
tcagaccctg cttaggatgg gggatgtgg 149
```

<210> 618

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 33

<223> n = A,T,C or G

<400> 618

```
ttttcacaag ggcttctgaa gaccttaaga ctnatatggt tgtggctaata acaatggaag 60
actttcagaa gatactagat tctggaaaga ttgttcagat tccattctgt ggggaaattg 120
actgtgagga ctggatcaaa aagaccactg ccagggatca agatcttgaa cctgggtgctc 180
catccatggg agctaaaagc ctttgcatcc ccttcaaacc actctgtgaa ctgcagcctg 240
gagccaaatg tgtctgtggc aagaacctg ccaagtacta caccttattt ggtcgagct 300
actgagggat gaacgaaagc cccctcttca actcctctca ctttttaaag cattgatatt 360
aagtatcttc tcagatacag accgttttat gattttttac ctcggccgcg accacgotta 420
agggcgaatt ccacacactt 440
```

<210> 619  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 465, 502, 539, 547, 548, 552, 569, 574, 589  
 <223> n = A,T,C or G

<400> 619  
 ccagctctcc acgctgctcg gcatctgcaa tggcggcctc cagggaagcc ctctggcctt 60  
 tgaggccctc aatctcagcc tggagccggc tgatgttccg gttcatctca gagatctcag 120  
 tctttgtgcg ccgcagggtca tccccgtgct tcccagccag gctctgcagc tcctcatact 180  
 tgatctggta catgctctca gcctcagccc ggctgcgggt ggcaatatcc tcgtactgtg 240  
 ccttgacctc agcaatgatg ctgtccatgt ccaggggagcg gctgttgtcc atggacagca 300  
 ccacagatgt gtccgagatc tgggactgca gctcccggat ctctcttca tatagctgcc 360  
 tgagggaagtt gatctcgctcg gtcagccctt ccaggcgaga ctccagctct acctgtcat 420  
 gtaagcttca tccacatcct tcttgatgag gacaaattcg ttctncatct ctgtacctta 480  
 ttgatctcat cctcatactt gntcttaagt cctccaccac ccctgatgtt gcaactccnc 540  
 tcacttinnct tntctggcca aattcagtn cactnggcgga cacctaggna atcac 595

<210> 620  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 386, 411, 429, 495, 515, 520, 521, 530, 531, 534, 553, 569,  
 573  
 <223> n = A,T,C or G

<400> 620  
 tccctctgtg gaagatatcc aaaagccaca agtggtgcaa atgtttatgg tttttgtttt 60  
 tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120  
 ttgaaaaaaa aattcaaatt tttgggggag cggggggaagg agttaatgaa actgtattgc 180  
 acaatgctct gatcaatcct tctttttctc ttttgcccac aatttaagca agtagatgtg 240  
 cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300  
 aaagtttttt caaattttct tcttttttaa tttaaaattg agttcattta tttgaaacag 360  
 actgggccaa tgtccacaaa gaatttctgg tcagcaccac cgatttccaa ngtgcaatat 420  
 caaaggaang ggcagcgtga tggcttaatt ggtttggatt ccaagaatgg cttttccacc 480  
 tcggccgcga accncttaa gggcgaaatt ccacnccacn nttggcgcgn ntttctatgg 540  
 atccaacttt ggnacccaaa cttgggggna atnatgg 577

<210> 621  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 311, 317, 320, 324, 328

<223> n = A,T,C or G

<400> 621

```
ccgggcccgggt tgacctccgt gcctagtcgt ggctctccat cttgtctcct ccccggtgtcc 60
ccaatgtctt cagtgggggg cccctctctt gggtccctcc tctgccatca cctgaagacc 120
cccacgcca aactgaatg tcacctgtgc ctgcgcctc ggtccacctt gcggcccgtg 180
tttgactcaa ctcagctcct ttaacgctaa ttttccggc aaaatcccat gcttgggttt 240
tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaaa 300
aaacttgggc ngaaacnacn ttangggnaa 330
```

<210> 622

<211> 324

<212> DNA

<213> Homo sapiens

<400> 622

```
aaaaataatt tctattcaaa atacatgcat aattgatttt acacctcatt actggtggat 60
aatttatgtg atgtggattg ctggtgtcca gcatgaccca taaacaggtc agaagaatga 120
tggaatgttt tagaataaac tcctgcttat agtatactac acagttcaaa agatgtttaa 180
aatgcttttg tatttactgc catgtaattg aaatatatag attattgtaa cctttcaacc 240
tgaaaatcaa gcagtatgag agtttagtta tttgtatgcg tcactagtgt ctaatgaagc 300
ttttacctcg gcccgcgacc acgc 324
```

<210> 623

<211> 119

<212> DNA

<213> Homo sapiens

<400> 623

```
ccaaaagttt agcatattct gcagcctctt ctttattttt cttggtacgc tgcttcttca 60
gagcaatacg ccgccgtttg tgctgcagga cacgtggagt aacaagacgc tgaatcttg 119
```

<210> 624

<211> 301

<212> DNA

<213> Homo sapiens

<400> 624

```
ctgagattgc caagccggga agagaccttg ctccagggtg agctgcgttt tccccagatc 60
acctgtcctt tccccctccg acaaggaagc tgtgattttt ctctggcctt tagaggcaaa 120
gtgattccag ataagtagat taatgtgtag aatatctcat ctgtgttggt ccagtgcagc 180
cctttcagct ttcagagacc agtttagactt gttatgagga gctaagtgat tggctggctc 240
tggagctcag ttcatagat tatagcccag cgtacgagaa gcacgagtc ttagttggc 300
g 301
```

<210> 625

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 372, 374, 376, 382, 387, 393, 404, 411, 414, 424, 435, 438, 443

<223> n = A,T,C or G

<400> 625

```
aaattttcttt caaaagttaa ttttagtatca agcaagagga gacttttgctt aacactacag 60
aacattttcaa gacttgagtt acaaaagaat accacattat ttgcacttgt aattggcttc 120
ccttttttacg catgttggca agagaaaaaa aactagcata tggctgaaag ataaaataac 180
taaattctat ggaaaccttt aaaatgaaag gtgaggctta tgttaaaaga atagattaac 240
atatttagta aacctatttt ttgtttaaca ctagttaatc aaagttatct tttttccttt 300
tgatgacctt ttttttcata tacagactgg aaataacaaa attttacatg tctttttttt 360
tttttttttt tncntnggcc gnaaccncct tanggggaaa tccnccccct ngngngcggt 420
ctanggggacc aactnggncc aanttgggga a 451
```

<210> 626

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 425, 457

<223> n = A,T,C or G

<400> 626

```
tttttttacg gtttttattt ttcaattttt attttggttt tcttaciaag gttgacattt 60
tccataacag gtgtaagagt gttgaaaaaa aaattcaaat ttttggggga gcgggggaag 120
gagttaatga aactgtattg cacaatgctc tgatcaatcc ttctttttct cttttgcccc 180
caatttaagc aagtagatgt gcagaagaaa tggaggattt cagctttcag ttaaaaaaga 240
agaagaagaa atggcaaaga gaaagttttt tcaaatctct ttctttttta atttagattg 300
agttcattta tttgaaacag actggggcaa tgtccacaaa gaattcctgg tcagcaccac 360
cgatgtccaa aggtgcaata tcacctcggc cgcgaccacg ctaaggggag aattccacac 420
acttnggcgc cgtctagtgg atcccaactc ggaccanctt gcgtaatcat ggcatact 478
```

<210> 627

<211> 277

<212> DNA

<213> Homo sapiens

<400> 627

```
aaactggaca acaaatccag catttcaagt gccagaagta taactttcta aggagagaag 60
ggttgtcaca ttataaaatc tttaggaaaa tgtgaactgg aaaacgcttc ggtcagtttt 120
agtgcacatg cctgtgatga tgggtctggt gactattatt gcggaccgtg gtaccacagt 180
ttaggaatgt ggagaaagga attctgttga ttccgttgag gaatctgtag cgtatgcatt 240
cgttctgtta agagcaaatc taggagaagt gcttcag 277
```

<210> 628

<211> 322

<212> DNA

<213> Homo sapiens

<400> 628

```
aaacacagcg tttgaggcaa acagtagcaa cagcagcagc aaatgcacca aactgacgaa 60
aagaccaga tattttcctc actcatagtc agactgttgt gtctcaccac ttacataaca 120
tccaagttag atttctcaca gtgctacctt ggcaacaaac taaaaatatc tagacaaggt 180
cttggtttta gccttattaa aaaagctttc tttgtgatta tctggtatct ggtttggtct 240
```

```
ccagaaaata catagacttg gagataggta ggccctcacag gacttcattc tataatcttta 300
cagcatttgc aatcaaaaact gg                                     322
```

```
<210> 629
<211> 496
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 442, 443, 450, 476
<223> n = A,T,C or G
```

```
<400> 629
aaactctgtg acttttcctg gttcaaaagg acagtcattg acagcagcag aggagtgggg 60
gtctgaaaaa tgtaatcttt gtgtcaaggc actctgtggc ctcacaactg cccccctgtc 120
agagggatgc tgccttcacg ccctaaagac actagggcct ttcaatggac ggggtggtga 180
agcagccaga tggtaagggt ttctgatgtg cctccagatt gcgaatgtcc ttcattgatc 240
cttcgatata tcggttatag tccatgatgg cagcctcctg cttcttggct tcattctcca 300
ggtcagacac tttcctatca agatcgctga ccttcatttc atctttggct ttgtttaggg 360
tgccttcaat ctggttttagc ttattcaggt ccaactgtatc cagacctgcc cgggcggccg 420
caagggcgaa ttccacacac tnttggcgcn gtctagtggg tccaactcgg accaancttg 480
gcgtaatcat ggcata                                     496
```

```
<210> 630
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 71, 74, 442
<223> n = A,T,C or G
```

```
<400> 630
aaaattctta ctgtttatatt atatattgca tagctcaaaa agtttgaaaa aatgaagttt 60
taacaggaag ncantaaatg ctcataagacc ccttgtctc tagcacttgg agtccttaga 120
gatgggaatc ttgacagcag aatttcagat gtttcaatca cttgccaaagg aagtgccaca 180
cttgctcttc ttcattactt tctttatttg gtgaagatga taccgattca actaatgatc 240
ttgcttcctc ttgagtgcaa cggaaagggc tatcagatat cttgcacgtt tgtgcaattt 300
atagctcctc cattacactt cttcataagc aatgctttcc aacattgatg agtggattta 360
ataacttcaa gagcaaaagc cttgtttttg aattctccat taaaagcaaa ctgggtttct 420
ggttttcccc tgcccgggcg gncgtcgaaa gggcgaatt                                     459
```

```
<210> 631
<211> 66
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 15, 20, 23, 26, 33
<223> n = A,T,C or G
```

<400> 631  
actactatat ggcgnattgn ctncctngcat gcnatcttga gtattctata cgtgtcacct 60  
aaatat 66

<210> 632  
<211> 693  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 476, 484, 490, 523, 531, 541, 625, 648, 660, 671, 673, 686  
<223> n = A,T,C or G

<400> 632  
aaaagtcaga aatcacagtg ggagaatgcc aaattgcttt agcttggaac tactgaagac 60  
gcacatagca tttattataa ggcctactct taggcagttc actctcaaag caatgaaaat 120  
aatctcaaac caaacattac agtgggtttg aagcgttcct acgtttcttc cgagcagggtc 180  
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240  
ctttaataaa cactaaacta atagatcata gaaaactaaa agcttagaga aggtgcctcc 300  
agacatattt acataaataa cgtacctcac aagaaagacc aagatctcat tagcgggtgga 360  
atgctttttc ccaaggctgg gtccatgcct catttgtcaa attaacccca tttgaggaga 420  
aatttgagtt tgtgggttcac ggggtttttga aaaaaaaaaa aaaaaaaagg gatttncccc 480  
ttgnaaaaacn tttttaaaat aattttaaac ccaagggttc ccnggtaaag ncccaaccct 540  
nttaaaaaaa aggggaaaac ctttgttcct ttaacttttt aacatttttt tccctacctt 600  
aaaggaaaaa aggtcccatc ccggnccctt aaaaaagggg gaaaaagnca aaggacgggn 660  
ggccaaataa ntncctcccg ggcctnaagg aat 693

<210> 633  
<211> 638  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 391, 418, 422, 425, 456, 478, 531, 558, 569, 575, 582, 600, 616  
<223> n = A,T,C or G

<400> 633  
ccattcctat gcatgtctgg gaggaccaca gccctggtgt ggagcactga caggtttgac 60  
tttccaccag aattgcttgc tcagcttaat cccataatat tcctttccct tagatttggt 120  
ttctgtctcg gtaacttttt ctctctgcat ataaaatttc atgactaaaa taactttaaa 180  
gtacagagat tgtattttgt tgaaggaatg cattgggggg gctttgggca gacttagcaa 240  
aatgtttgta tagcaaaaat gttttcttgc taaaaactga tttgcaaact tgaaagtcta 300  
gatgtgtgta ggaagatttt aaaattcagg caaattgggtc tctaaagaga ccaattttgc 360  
ttcctttgtc ttggttccaa taaggattta ntacaaaaaa gttcaaaaagg ctggcttnc 420  
anaanaattg tacatacttc tctgaacccc caaancaag ggaaaaaata cctctaant 480  
tattatttat ctacggggta aaaactaact accttatatt taaataaaca nccctaaatt 540  
aatttattta attttgngg gggggcttna ggaancaatt tnagggggga aaaaaaggn 600  
tttccaaatt tttaangaaa aaacaaaaac cccccaca 638

<210> 634  
<211> 154



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 147, 149  
<223> n = A,T,C or G

<400> 634  
aataactttt tatttgacat ctacaagatt ttggcatctt gcagcttttt accagggtta 60  
tacaatctcg atttttcaat agtgcaacct gtggaagcaa aaaaaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa aaaaaaaaaa aaaaaanant aaaa 154

<210> 635  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 635  
aaacagaaag tagttttatt ttttctaaat aggattttga tcacaaaaat gctgggtgatt 60  
caaaccttta aaacagaaga gcatacaacc taagaaaaat gcaaaacagg ctacaaacct 120  
gtacatcatg ttactgcact gaatactgta ggcaactgta acataatggg atttgtatct 180  
aaacatagaa aaggtatagt aaaaatacag tattacaatc ttatgagact gccaacatat 240  
acgtgggtctg tcattgacca aaacatcatt atgtagtgc tgactattaa aattgtgcaa 300  
aacaaccccc tgtatccata gtgttt 326

<210> 636  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 636  
aatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60  
gatgcaaag ttttgaaag atatgaccaa aattttaagt aggaaagtca cccaaacact 120  
tctgctttca cttaagtgtc tggcccgcga tactgttaga acaagcatga tcttggttact 180  
gtgatatttt 190

<210> 637  
<211> 84  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 63  
<223> n = A,T,C or G

<400> 637  
acatcaccta aaaaaggaaa ctgggtccta cggcttggac tttccaaccc tgacagacct 60  
ganagacaaa acaactgggt cttg 84

<210> 638  
<211> 413  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 40, 179, 192, 211, 323, 338, 343, 367, 379, 380, 407

<223> n = A,T,C or G

<400> 638

```
ctgcaaacac cctgggccag aatttcttaa aacagctacn tgacaaaaac aatgctattg 60
acatccaata atgctaaagc ctgggtacca ccaggctcc actgactgtg gtttccaaac 120
atctctccac tgactgtggt tttcaaccac aaggaaagga aaatggaata ttctttggnt 180
cttcacgcct anacacaact cctgacctaa nacattgagt ggagagtcct aaccctttgg 240
aagttgaact ttctgctttc ttctggggac tttggaactg agtttgaaca aaggacctgc 300
catcatgctg cccatggatt ttnggttaac ccttgganaa atnttgcct ccttttctga 360
caaactnttt ttggacctnn ggcgcgaccc cccttagggg ggaattnccc ccc 413
```

<210> 639

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 250, 310, 315, 319, 325, 327

<223> n = A,T,C or G

<400> 639

```
cgaggtcctg ggctcgccctg gaccacaagt ttgacctgat gtatgccaaag cgtgcctttg 60
ttcactggta cgtgggtgag gggatggagg aaggcgagtt ttcagaggcc cgtgaggaca 120
tggtgccttg tgagaaggat tatgaggagg ttggagcaga tagtgctgac ggagaggatg 180
aggggtgaaga gtattaacct gtgtgctgta cttttacact cctttgcttg gaactgctta 240
ttttgtctgn aatgctattg ccgtaaattg ttataaattg atgtttcatt ttacctgccc 300
ggcgccctn caaanggcna attcnancac cttggcgctg actaatggat ccaact 356
```

<210> 640

<211> 162

<212> DNA

<213> Homo sapiens

<400> 640

```
aaccacaaag ctttacatct tcattttgac tgttccatag cagaataaag cacttgaaag 60
gaaacaagac tccctttcac acatggatta ttataagttt caatcctggg atctgtgctt 120
gatttttata agttttgtgt agatttttat gtttcatatt tt 162
```

<210> 641

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 243, 286, 393, 395, 430, 440, 459, 466, 476, 485, 501, 515, 528, 533, 539

<223> n = A,T,C or G

```

<400> 641
tccctctgtg gaagatatctc aaaagccaca agtgggtgcaa atgtttatgg tttttatctt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tctttttctc ttttgcccac aatttaagca agtagatgtg 240
canaaaaaat ggaaggattc agctttcagt taaaaaagaa aaaaanaaat tggcaaagag 300
aaagtttttc aaattctttc ttttttaatt aaaatggagt tcattttatt gaaacaaact 360
ggggccaatg gtccccaaaa aattccttgt cancncccc catttccaaa ggggccaatt 420
ttcaaggaan ggcaggcctn aaggcttatt tggtttggn tccaangat gcttttcccc 480
ttcanttgct tttttaaaca ncctttttca aaaanaagga cttggccnga acncccttng 540
ggg 543

```

```

<210> 642
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 239, 345, 358, 364, 375, 393, 394, 401
<223> n = A,T,C or G

```

```

<400> 642
aaacaagact ccagtatgtg aaggtttaatt gctgtgctcc acagatcttg tctattggcc 60
cctgtagaaa gttaaccttt gttgttttcc ttttataatt tgcttattgc acaattgctt 120
tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180
aaaatgtttc tctcattttac tccttaaaaa aaagacttaa attagtttgg gtcattatnc 240
tttattttgca gcattttgggt tgtatttagcg taagagcaag tataggatat ggagaggccc 300
tgctcatgaa acaaaggagg cccagggtata atacagtttc tcctncctct tacttttntc 360
ccanttttcc ctgtngttcc tttcccaatt gtnnatctct nctggccccc aaggga 417

```

```

<210> 643
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 436, 480, 483, 485, 502, 509, 512, 534, 543, 556
<223> n = A,T,C or G

```

```

<400> 643
aaatttcaga gatattaagc agagagagag tgaaaaagta acctttgttg ttttatccaa 60
ttttgcaagt tatgtataga gttagtaatg tttaaacgaa agggacttaa gccctgccta 120
gctctgacaa tggcaggaaa agaaaactca caggtaacta aacatttatc tagtaaggca 180
tagaacaaat tatattaaga tagatagatg aaacattatt caatgattac ttatgccttt 240
gtatataggg ctggtccagc gtcacatgaa agcagttcat tttgactgtc atcttctccc 300
aggtctgaag atggaacttt ggtcaacttg aatttgatgc cagatatcaa tattgactat 360
taagatcagt aggcgtcagg attccctttc agatgagata catgtcccag gagtcaaagc 420
cctgcaactt acaccncaag ggtagttaat acatttcata aagacctttt ttaagtgggn 480
tananggagc tctcactgat gntaacatna gntggggggg ggaactgagt tatnattgtg 540
ganactcccg cggcgcnctaa gggaa 565

```

<210> 644  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 279, 284, 320, 327  
 <223> n = A,T,C or G

<400> 644  
 ccaccccgga gatgacacga ggctcacatg actctagaca cttgggtggaa agtgaggcga 60  
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcc aacagggctcc 120  
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcgggtggggc 180  
 gctaactagc agggaccctt gcaagtgttg gtcggggggc tcgagctgcc tgagctgaca 240  
 cacctgcccg ggcgcccgct cgaaggcgca attccaccnc cctngggggc gttactagt 300  
 gatccgagct cggtagcaan ctttgngaa a 331

<210> 645  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 168, 190, 199, 280, 292, 312, 317, 320, 326  
 <223> n = A,T,C or G

<400> 645  
 cgaggtaaaa agaaaggcct tacatatatta ttactgaatc cagccaacca acgtgttcat 60  
 aacagattca gagaggaaaa cagctcgaaa tctccagata gtggtgacat ttccagcttg 120  
 atatggtaac atgatcgtga ccttcaaaca gcataaatat gtgtgccttc tcatgtgcaa 180  
 ttctttatan acccagctng gttcttctcc aatgtctcct ttgggagttg tacctgattt 240  
 tactaccagg ttccatctga atcccctggg ggatgggaacn attttgcttt tnttttttgg 300  
 acctgcccgg gnggccttn aagggnaaat tcc 333

<210> 646  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 261, 264, 280  
 <223> n = A,T,C or G

<400> 646  
 ccgagaacta ttcttggcac tttttcgaaa gtttgatgag agatgccagc cccgctcttt 60  
 ccttcgtgac ctggtggaga ccacccacct cttcctcaaa atgttggagc gattctgtcg 120  
 gagccgtggg aacctggttg tgcagaacaa acaaaagaag agaaggaaga agaagaagaa 180  
 ggtcctagac caggccattg tttctggtaa tgtcccatct agcccagaag aagtggaggc 240  
 tgtgtggacc tgcccggccg naangggcaa attccaccnc ccttggccgc cgttactagt 300  
 ggatccgagc tcggtaccaa gcttgg 326

<210> 647  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 647  
 gaagtgcatt gggcttcaat ctctgaacac tgtagaccca ttagaagact gttccgattg 60  
 ttacaaattg tagtgctga aaacactctt aagctgattg tcttaacaaa atgaaagttc 120  
 tccaaagaca aaacagaaca attattataa caaaataatt atgggtgaaa tgtctgtggt 180  
 tccttggaat tgctgcgctc tttgtgtttt tccatcatta gtgcagttgg aatgaatgtg 240  
 tataggtcag aggtcctcgt gttcacattt t 271

<210> 648  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 268, 312, 363  
 <223> n = A,T,C or G

<400> 648  
 aaaatgcaaa gaaaattaac tttcaatgat atgttcaggg actggcacta aaaaaaattt 60  
 tcagactgca aatgagttat acaaataaaa atatcaaag gagatccagt tatcaaaatg 120  
 aaagcactca acatattaaa agttcacaag tatttgtatt gagcacatta caaaagtcag 180  
 cttgctaact gttgtgattt taaagaacta ttgcagaagt ctgaagaaaa tagatttatt 240  
 agttaactta taaagagatt aaagaggntg aacagggtttt aaaagaaaaat tggggccttt 300  
 ttaaaaagggt anggttttaa atttccattt ttgaaaaaat aatgggtggtg gtttggtttt 360  
 ttntaaaaaa 370

<210> 649  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 58, 104, 149, 152, 192, 197, 208, 235, 261, 296, 299, 406,  
 409, 448, 468, 469, 470  
 <223> n = A,T,C or G

<400> 649  
 ccacggggac tggtattcgc aagctgggtt tctagaacct gttagctgga agcatggnga 60  
 gcaccatttc tggacgctca ggccgtgtcg ggctttcagt catntccacc acacaggtac 120  
 agcagcgctt tttggtagtc gcccttagng tnttgctgga tataatagta cagggacttg 180  
 ccgtactttt tnttganttc aaacctantt ttcaacatgt ccacttcaact gcggnaaacc 240  
 atgattttga tcaggacctt ntctgcgctc cccttgccct tcatggagtc atacanccna 300  
 tcagcaaaat acagggcttg gttctgaatg cactgaacca ggttcaggaa agcatttccc 360  
 aggctccttt aacctctttc ctgatctttt ccaacatggt cataangntt ggaactcttt 420  
 gtacctatta acttgccccg gggggcgntt ccaaaggggg ggaaattnnn ccccccccc 480

<210> 650

<211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 280, 317, 343, 383, 388  
 <223> n = A,T,C or G

<400> 650  
 aaaaaattag ttgcttttta tacagctata caaagttctt aatgtttctt tggcaatgga 60  
 atataatgga atttttacaac tatataaaaa agttaccttt gcctaagaaa cagtattttac 120  
 tgtgtgtaca tagttgactg acaaaattct ctaccatcca gcaccctaata taattgacga 180  
 aataagctac ctcatattac aggattcccc aaaagaaagg aggaaaaaga cacacacata 240  
 cacacacaca cacacacaca cacacacaca cacaaccttn tgtggctcaa aacacagtat 300  
 cacggcccta tctgcangca acttgcaatt gcacctcgcc cnggaccact ctagggcgaa 360  
 ttccagcaca ctgcggcgctc tangatcnac tcgtccaact tggga 405

<210> 651  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 254, 420, 482, 489, 504, 522, 528, 533, 535, 571, 589, 624  
 <223> n = A,T,C or G

<400> 651  
 caagatggct gtcttcgcct tagtactcgt gtgaagttgg cagggacggt tcctgtcatc 60  
 ttcttgggct tatttgggtgt gctgttgaag gggggagact agagaaatgg cagggaaacct 120  
 cttatccggg gcaggtaggc gcctgtggga ctgggtgcct ctggcgtgca gaagctttctc 180  
 tcttgggtgtg cctagattga tcggtataag gctcactctc ccgcccccca aagtgggtga 240  
 tcggtgggaa cganaaaaagg gccatgttcg gactgtatga caacatcggg atcctgggaa 300  
 actttgaaaa gcacccccaa gaactgatca ggggggcccc tatggctttc gaggttggaa 360  
 agggaatgaa ttgcaccgtt gtatccgaaa gaggaatg gttggaagaa gaatgttcgn 420  
 tgatgacctg cacaacctta ataacgcata cgcttatctc tacaacact tttaaccgac 480  
 cntgggaang tttccaatag aaanaaaaaa acttgaaaaa cnttcggnaa aangnttcat 540  
 cttttccccc ttgaaaaaag ggaaacttgt nctttttccc tgggaaggna aaccgggttt 600  
 ggaatttttc tcttggaaaa aaantggggg tttttttt 638

<210> 652  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 369, 376, 404  
 <223> n = A,T,C or G

<400> 652  
 aaaattttag aagttaagac ttacgactac ctacgtatat gccattccta atagaaggag 60  
 gtatgacggt ttcaaactcg tgcagagctg cattttcatt tacaagtctc tgtaggcact 120

```

ttagaagtga agcttggctt caaagtacaa aactgggggg ctttggctca accttttaat 180
ataaaaaaat tcaactgatgt acaaaaattt gaaagtgtga caatgacaat tatgaaatcc 240
tgtgactgaa agtcccctcg agtgcaactct gtgggtgcac atgcgcccgc cacacaaact 300
ctggcatgga aacataaact aatgcaaacc atgctcccag aaccacacag tgtgtctcat 360
tccccaatnc agacanactc gcggacccta gggaatcacc actncgcgtc taggtcactc 420
gacactgggt atg 433

```

<210> 653

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 465, 474, 484, 485, 516, 522, 540, 541, 542, 550, 565

<223> n = A,T,C or G

<400> 653

```

ccataaacac agaagatggt tttggcttta cattgacaca tttctgtgtg tcaatgtaga 60
agagaaaaga agtttaatta taccttttaa gcaggcaaac cattataata aactgcttta 120
gaaattactt taaaattata cacgtttgga acaacagatt ttttaaaaaa tgaagtttgg 180
tgttatgtca gcattttaac tatttttgct atagcgaggc ctcctcatat attatcataa 240
tttatcatag tttaaatagt gaatcatatt ctgatattct gattaataat catattaatt 300
ttgacaatga ttttagtttt tgaagtttta gactgcatct taaaaaaggc cataatctct 360
ttaaatacct catcatagaa tattaacttt taataaaagg ttattttgat attggaataa 420
ggacatggta ccaatatctg ttttacctgg aagcatgaaa atgtnttaaa aggnaaataa 480
aaannccaaa gtagtgtttt acctcggccg cgaccncctt anggggaatt ccccccccn 540
nngggcgctn ctatggatcc aactng 566

```

<210> 654

<211> 234

<212> DNA

<213> Homo sapiens

<400> 654

```

ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180
gtactgattt cctcctcatg gttctttctt aggtaggcca gctcttcctt cagg 234

```

<210> 655

<211> 169

<212> DNA

<213> Homo sapiens

<400> 655

```

aaaaccctga aaatatatta tacagaataa aaacaataag ctcaaagtac atgtttcact 60
ataatagaca ccatattcat gaacctgggt ttggttttgg caacacataa tttttggttt 120
aaaagtgaac aatgaaaacg gatgtttcac attcaatata ctagtcttt 169

```

<210> 656

<211> 601

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 495, 504, 509, 517, 535, 540, 544, 546, 593  
 <223> n = A,T,C or G

<400> 656  
 tctggatctt ccaaaatata cagaaaaaga aactctacgc tctaaactga tccaagctat 60  
 tgatcacaat gaaggcttca gtttaatatata acttttgagt tataactatt cagtttagtg 120  
 caaaagcatt aaactatattg tgtttttctt gtggtgatga attcagcaag gtgacagagg 180  
 tactattata attcttactt gcagaatggt caatctacga gtgttcatgg aagccaaaaa 240  
 atattaaagg aaaatgaaca aactgttaat attattgtac agaaccatgg attttttttg 300  
 accatcttct aataaacata gcaagtatta tgaatacatt aaagttttac taacatgaat 360  
 ttttaagagtt tgcataatttc aaaaatgatc tgggtgtgagt gcatggaaat attgcttaat 420  
 ttttcttcaa tcattgagtg aaaaaccttt aactttggcc tgcaatagca tttgatattt 480  
 tttcattttg taaanaaagg taantttgna ataaanatt attttttgat accantccan 540  
 tttntntggt gtaattgact tgaacaaaat ttactttggc gggaaccccc ttngggggaa 600  
 t 601

<210> 657  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 657  
 ccattctatac accattctta ccacacaatt gacaaatgat gaactttctg agaaggtgaa 60  
 aaactatagc aacctccttg ctttctgtag gagaattgaa cagcactatt ttgaagatcg 120  
 tggtaaaggc aggtgtgcat agagttatgt gtagtctca ggagtcttaa cttttgaaat 180  
 atgttttact tgaatgttac attagatatt ggtgtcagaa tttt 224

<210> 658  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 218, 229, 235, 263, 265, 271, 286, 289  
 <223> n = A,T,C or G

<400> 658  
 ccatggaaga agggcaggca tatggagtat gaatgccctt acttgggtata tgtgcccgtg 60  
 gtcgccttcc gcttggagcc caaggatggg aaaggtgtgt ttgcagtgga tggggaattg 120  
 atggttagcg aggcogtgca gggccagggtg caccctaaact acttctggat ggtcagcggg 180  
 tgcgtggagc ccccgcccaa acctcggccg caaccacnct aagggcaant tccancaccc 240  
 ttggcgcggt actagtggat ccnancctcg naccctaaact tggggnaana tggggg 296

<210> 659  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



<222> 425, 434, 507, 514

<223> n = A,T,C or G

<400> 659

```
gccccaaacat ctccttgcac ttttgttggc tgaattgggt acaagtgggt ctatagatgg 60
taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa atgtcttgag 120
aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca caatcctgca 180
gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat gttctgttgc 240
cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc gtgccaaagc 300
taactaattt gctaatact gattttgcaa acttgttgtg gagatgtggc ttggacaggt 360
ttgccatcag aagtggatat ccgttgtatt aaaaacaaga taaaaaactg ccaagatttt 420
tggcnagtgg tggntgaat ccttgcaaga ccttatgctc aactgttgac atctcttgct 480
cttaccctgt aaaaaactga aatgggnaag aggnntttac tcgcggaccc ta 532
```

<210> 660

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 432, 498, 531, 534, 548, 566, 572, 580, 593, 601, 611, 612, 617, 622

<223> n = A,T,C or G

<400> 660

```
aaattcttgc attacacttt tctttttaaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcattctct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgtct tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtgttgaa gtttatttat 300
tatagacca ttgagacatt ttgaaattgg aatttggttaa aaaataaaac aaaaagcatt 360
tgaattgtat ttggtggaac agcaaaaaaa gagaagtatc atttttcttt gtcaaattat 420
actgttccaa cntttggaaa taaataactg gaattttgtc ggcacttgca ctggttgaca 480
agattagaca agaggacncc tatggagtaa atttttttgg tgggatttca natnagtcgg 540
ttataaanga aacaggccac gtcccnccaa tnttgtaggn ctgcccgggg ccnaagggaa 600
ntccccccct nnggggnttt tngcca 626
```

<210> 661

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 304, 314, 320, 338

<223> n = A,T,C or G

<400> 661

```
gaaggccttc gataggcact gcaacatggt gctggagaac gtgaaggaga tgtggactga 60
ggtacccaag agtggcaagg gcaagaagaa gtccaagcca gtcaacaaag accgctacat 120
ctccaagatg ttcttgccgc gggactcagt catcgtggtc ctgcggaacc cgctcatcgc 180
cggcaagtag gggccgctgt ctgttgacag aactcactcc tctgtcctat gaagaccgct 240
gccattgggt ttgagaataa taaagctctg tgtttttttc taaaaaaaaa aaaaaaaaaa 300
```

aaancctttg gccnggaacn ccttttgggg gaattccncc ccct

344

<210> 662

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 332, 344, 346, 386, 418, 427, 431, 444, 476, 494, 498, 508

<223> n = A,T,C or G

<400> 662

```
ccggacatcc caacgcgatgc tccctggagct cacagccttc tgtggtgtca tttctgaaac 60
aagggcgtgg atccctcaac caagaagaat gtttatgtct tcaagtgacc tgtactgctt 120
ggggactatt ggagaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa 180
tgttctaggg cactctggga acctataaag gcaggatatt cgggccctcc tcttcaggaa 240
tcttccctgaa gacatggccc agtcgaagcc caggatggct tttgctgcgg ccccggtggg 300
taggagggac agaagagaca gggaagagtc ancctcccat tcanangcat cacaagtaat 360
ggcacaattt cttcggatac ttgcanaaaa tatggtttgt agttcaacac tcaagacnaa 420
cttatnttta ngataactct taangcaact tattcatcct cactttgcct cttacncatg 480
taaaagatta tttnaacnga ggagatgntg tggacctccg ctggacctaa ataccttgta 540
ctact                                           545
```

<210> 663

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 362, 371, 381, 409, 466, 469, 476

<223> n = A,T,C or G

<400> 663

```
ccactgcagc accattggca agagctaaaa gctggacaca agccggatgg cccgcggctg 60
gggaggggtca aatgaactac aatccatcca catgaaaact gggcgctgct acaggaagga 120
ggctccttgt gtgccatcag ggagaggcct tggcgccagc tccctaggaa ggcaggctgc 180
caggcagtat gtccagaagg agctcactct ggtgaaaaca acaaacaagc catcaacact 240
ggctgtgcag gcaaaggcgc agagtccaga aggaatagtc ctgactgtta gcagagctaa 300
cagtctttcc tgctctctgt ccactctgtgt gtccttccat tcatccatct cttctgctgg 360
anacacttca ngggcgcaact natgtggggg gggggggctt tcaccttgna ttttatactt 420
ttggactgct ttgttcacac taaacatcaa ccctttactc ggccngganc cccttngggg 480
gaattcccccc ccc                                           493
```

<210> 664

<211> 329

<212> DNA

<213> Homo sapiens

<400> 664

```
aaagtgtgta gtttttattc aattttttga ggcctcttat ttcctgaggc tacattttta 60
agtattaaaa gttaggcaac tacaaccaag gaacttggtc atttggtatt tgtaccaaat 120
gttcacaaac ttattcgggc gtggtggtgc ctggttgcaa tcccacctat tggagaagct 180
```

```

ggggcgaggag agtctcttga ctctagaaga cggaggttgc agtgatccga gatcgcgcca 240
ctgccctcca gtcagagtgg cagagactcc tggggcgagg gagtctcttg actctagaag 300
acggaggttg tagtgatccg agatcgcg 329

```

```

<210> 665
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<400> 665
ccagtttggg gtcggtttct attccgcctt ccttgtagca gataagggtta ttgtcacttc 60
aaaacacaac aacgataccc agcacatctg ggagttctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattaccttg aattggatac aattaaaaat ctctgcaaaa aatattcaca 240
gttcataaac tttcctatct atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaacagccaa agaagagaaa gaagaatctg atgatgaagc tgcagtagag 360
aaaa 364

```

```

<210> 666
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<400> 666
gtgctgtgcc acctggtgcc gacaagaaag cggaggctgg ggctgggtca gcaaccgaat 60
tccagtttag aggcggattt ggtcgtggac gtggtcagcc acctcagtaa aattggagag 120
gattcttttg cattgaataa acttacagcc agaaaaaaaa aaaaaaaaaa aaa 173

```

```

<210> 667
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 188, 195, 197
<223> n = A,T,C or G

```

```

<400> 667
aaaaaaattc ccccttttaa ttgaccaaag taaagccatg acatttcatt tggtaacctg 60
tttagaatta taaaaatcat ttcatttggc ccagcccata ctgccaaga caaaacttcc 120
agacaattct gatgccatcc agttttgttc ttacaaactg catattaaaa aaaaaaaaaa 180
aaaaaaantt ttcancnccc 200

```

```

<210> 668
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<400> 668
ctgtcaacga aggcttgaac caacctacgg atgactcgtg ctttgacccc tacacagttt 60
cccattatgc cgttggagat gagggtgaac gaatgtctga atcaggcttt aaactgttgt 120
gccagtgcct aggccttggg agtggtcatt tcagatgtga ttcactaga tgggtgccatg 180
acaatggtgt gaactacaag attggagaga agtgggaccg tcaggagaga aatgg 235

```

<210> 669  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 511  
 <223> n = A,T,C or G

<400> 669  
 aaagcgggag atacatgagg tgggaagctt gttacaggag ccggaacaa aggcagtaaa 60  
 ttatTTTgtg acatgtctta gattttgagg aaaaccggaa ttgcaactta ggTTTTatct 120  
 actttaggac cttgcagcag catggcaaag gagacaggat cttacaggac tttacaaagt 180  
 atgtttacaa ggaatctgaa ttgggagtgt agataaggct cactgggtcac agaaaaatga 240  
 gcagtttaaca ttcttttatt ttagtttcag gggcggggga agggagagag ggagagaaga 300  
 tacagggaaa cttacagcaa atttttcact gtttatagct ttcttgggga agaaaacaca 360  
 tgcacgaatc ctggtgttag gaatatTTta agcgtatata ttcaatatta ttcattccagg 420  
 actgaagtaa gtcttgatgc aggaaatgaa tgagtTTTcac agcttttctga cccctcttgc 480  
 ccaggaaccc agactgccgg gcgggcgctc naaaggggaa 520

<210> 670  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 341, 347, 358  
 <223> n = A,T,C or G

<400> 670  
 aaaattatct aactgaggt tacataactt tggtaaaagt tccaaagttc actaatatat 60  
 tcctaggggg cactaaaaaa atctacaact ttatttaaata aattttcaag gctacttact 120  
 ttcttcattg cattcactct ccacgaattc ataaaatatg catggacacc tatcgattca 180  
 aagtacacca taaacttact gtaaaaatcc agtattactt aaaacatctc tactatcatt 240  
 caaatggttt aatctgactt aatgggcagt ttgctcaagt gaaccacctg ctgctcactt 300  
 aattctcttc acattaatct taattttacct gcccgggcgg ncgctcnaaa aggggaantt 360  
 ccc 363

<210> 671  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 140, 146, 148  
 <223> n = A,T,C or G

<400> 671  
 cctgcttcac ttgcagataa gtttattata attctccaga aatgtgtagg atgtgcatta 60  
 gcaaattgca ctgtactttt cactccagcc tgggtgacag agcaagactc ccgtctcgagg 120

ggcttaaaaa aaaaaaaaaan gctgtntnta aat

153

<210> 672  
<211> 725  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 469, 477, 481, 486, 507, 528, 575, 583, 592, 595, 604, 605,  
606, 618, 655, 660, 686, 688, 689, 707, 716, 718  
<223> n = A,T,C or G

<400> 672  
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60  
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatagat gttgaacttg 120  
ttgctgaggg caacagcagg ttcaacttaca ctgttcttgt agatggctgc tctaaaaaga 180  
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcctgccct 240  
tccttgatat tgcacctttg gacatcgggc gtgctgacca ggaattcttt gtggacattg 300  
gcccagtgctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360  
actttctctt tgccatttct tcttcttctt ttttaactga aagctgaatc cttccatttc 420  
ttcttgccat ctacttgctt taaattgtgg gcaaaagaaa aaaaagaang gattgantca 480  
naacanttgt gccaatataa gtttcantta acttcctttc ccccgctncc cccaaaaaat 540  
ttgaaatttt ttttttaacc cctttttacc cccntttttt ggnaaaaagg tnaanccttt 600  
tgtnnnaaaa accccaanta aaaaattgaa aaaaaaaaaa cccttaaaaa ttttncccn 660  
ccttggggggt tttgaaaatt ttcccnenna gggaagttcc cttggcngga ccccntngg 720  
gggaa 725

<210> 673  
<211> 363  
<212> DNA  
<213> Homo sapiens

<400> 673  
aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60  
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120  
tgaagaagag gacaactttg ggcaataaat ctgcatactt ttaattggga ataagatgga 180  
aaatatgaat gctaaatcaa atttttttaa aaatacacca cacgatacaa ctcaatacag 240  
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300  
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atccctgtct 360  
agg 363

<210> 674  
<211> 295  
<212> DNA  
<213> Homo sapiens

<400> 674  
ggcaggtccc tggactagtg cagtccttgc cctcagcccc agaccagaga tgggtggtat 60  
atgccatgtg ggggtgggtga tgtcagtaga taaaagtgtg agagaagggg tctccaggga 120  
agagtcacag gctgttggac acagcctggg tggcagaggg cagggtcac accctctagc 180  
atcagtgcct gctcctgcct gccctggccc tgaggctcca ccacttcttc ctccaccag 240  
gacctaatgt acgtgtgttt tgttttttgt tttttacctc ggcccgcgac cacgc 295

<210> 675  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 299, 311, 323  
 <223> n = A,T,C or G

<400> 675  
 aaaaaccata catccttttt attgttaagt cataaagagg tatcaaaatt aaaagcaaaa 60  
 attacagggt aagacttaac aaaactacta ggagcgtcaa aggaagtga aatgggacta 120  
 ggcgcggggc aatatgaatt aatgaacatg ggaaggacaa ggatggggag aacagtgagc 180  
 atgtgctgaa gatactaggg gagaggatct ggtgaaaaat ttgatcttag acaagcgctt 240  
 aggtaaagaa ataatgggat aagatttcac ctcgcccgcc gaccacgctt aaggggaant 300  
 tccccccccc ntggggcgcg ttcttagtgg atccgagctc ggtaccaagc ttggcggaat 360

<210> 676  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 676  
 ccatgtgtgt caaagtcagg gaatccctcc tcttggggagc caagaggaag tctctcaaaa 60  
 ctagaaggga aaggtgtttt ctccacatca atccagcttt ggagacattc tattagtgc 120  
 atatgcccct tcccccaaaa acaacaatga agtgttctgt gtgctaacaa catagctttt 180  
 aaaaaaaaaa aaagtaaaac aaaatttt 208

<210> 677  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 176, 362, 439, 450, 453, 470, 482  
 <223> n = A,T,C or G

<400> 677  
 ataactgtca acctgacacc cgagctggct caggtgaacg agtactgaga ggagagaatg 60  
 tacgtttgct ttaccaccg ccaccaagaa agcagtcga tgagattttt tttttggagg 120  
 ggggagggtc tacacagcaa gagaacagaa atattgtgtc tcatgaagga tcacanagtt 180  
 cagggggaaa atgtgacagc acacgcacaa acgccttcac tggatcagcc gctggaactg 240  
 agggagtgag cttggggact tccttcgtca gcaactggctt tctgttttca caagacagac 300  
 gtctgtcccg ctgctctctc cccatctcct accccacatc ctgtcttagc cgcagtctcc 360  
 anacccatga tgaactgtga tctgccgtgg cctgccgtgg tctgccgtg gacctgtccc 420  
 taccatgacc ttggacctnt tgccttcaan canaggaaac ccccagggan actcgccgga 480  
 cnccttaggg gaatcc 496

<210> 678  
 <211> 570  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 427, 481, 525, 549, 550, 559

<223> n = A,T,C or G

<400> 678

```

gtagctggcg gtccccgggtg ctgctgggtta gtgtgctctg ggggaggggc cgagccagcc 60
gctgttttgc cggaggagcc cctcaggccg tagtaagcat taataatgtc tttcatcttt 120
gagtggatct acaatggctt cagcagtgtg ctccagttcc taggactgta caagaaatct 180
ggaaaacttg tattcttagg tttggataat gcaggcaaaa ccactcttct tcacatgctc 240
aaagatgaca gattgggcca acatgttcca acactacatc cgacatcaga agagctaaca 300
attgctggaa tgacctttac aacttttgat cttgggtgggc acgagcaagc acgtcgcgtt 360
tggaataatt atctcccagc aattaaatgg ggattgtctt tctggtggac tgtgcagatc 420
attctcncct cgtggaatcc aaagtgaac ttaatgcttt aatgactgat gaaacaatat 480
ncaatgtgcc aatccttata ttgggtaaca aaaatgacag aacanatcca tcatgaaaaa 540
aaactccnnn aaaaatttng gtttttggac                                     570

```

<210> 679

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 459, 505, 512

<223> n = A,T,C or G

<400> 679

```

aaaagaattt ttgcttttct tctctctaaa ttttccctcc gtgctttgat gcgggctcgt 60
ttctcacgtt ccagtctgag aaaatgggtc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata acccactgct tgaacttggt ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcttggaac actttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcgaatctc gccgcttggc ctctgctct 360
agggttagaa gcatgtttct ttctttcagt aagacatacc aaaagtttgt gtaaatcttc 420
attacttttt tccttattgc tgacagggtc atgctgctnc agaatttact ttttcttgcc 480
cccagttttt tgggcatcaa aaaancctgc cngcggcgt ct                                     522

```

<210> 680

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 47, 52, 55, 60, 65, 72, 80, 88, 124, 193, 308, 346, 377, 420

<223> n = A,T,C or G

<400> 680

```

caggaagatg gtggcccgca aagaaaacga aaaagtcgct ggggtcnatc anctntaggn 60
tccanctcgt tntgaaaagn ggggaagtcg tcctggggta caagcagact ctgaagatga 120
tcanacaagg caaagcgaaa ttggtcattc tcgctaacaa ctgcccagct ttgaggaaat 180

```

```

ctgaaataga gtnctatgct atgttggcta aaactgggtg ccatcactac agtggcaata 240
atattgaact gggcacagca tgcggaaaat actacagagt gtgcacactg gctatcattg 300
atccaggnga ctctacatca ttagaagcat gccaaaacaa actggngaaa agtaaacctt 360
ttccctacaa aatttcncct gcaaccttaa acctgcaaaa ttttccttta ataaaatttn 420
ttgtttacct cggcggga                                438

```

```

<210> 681
<211> 182
<212> DNA
<213> Homo sapiens

```

```

<400> 681
ggggggacgtc agagaaacgg cgtcatgccc agccacttca gccgaggctc caagagtgtg 60
gcccgcgccg gtccctccaag ccctggaggg gctgaaaatg gtggaaaagg accaagatgg 120
cggccgcaaa ctgacacctc agggacaaaag agatctggac agaatcgccg gacagggtggc 180
ag                                182

```

```

<210> 682
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 405, 417
<223> n = A,T,C or G

```

```

<400> 682
aaatgaaatt acaaactacc cctccttgct aaaaatccac atgaagttga tattgggtgtt 60
tataaatcac tctctcccag tccctcactg gttccaacct tcagggtgata aaaattagga 120
tgggatccat cctccctgtg ctgacagtct ggggtccccg catgtatgca caaaccgcgc 180
cagcgtgcgc acacacgttc agaagaaatc ttcaaaggaa ccgagcggtt ggagaaagtg 240
gcaagtccac agaatcagag gttacgaaca caccttcaat aatattaata cattcctgtc 300
tttaaattcc ttgccatggt tccatcaaag tagagcacac attgttttcc agaacctggg 360
ggctcgacct ggggtgggaca ccaggatgca gacctcggcc gcganccct taaggngaa 420
atttccc                                427

```

```

<210> 683
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 683
aaactttggt ttgaaaattg cagttacaaa acccaaatga gaggacacgg acaaaaaagt 60
aacaaaaaga cagatgccct gaatcagaca catcgctaac aagcaagaga tgaggagatt 120
ccatttggtg ttattccggc atagagcaag cggcaggctt tgatgcagaa gcttattgta 180
gaattgttaa gtgattttag tgcacaggat cacatacaaa tcattttacaa gccacaatta 240
gtttattatt tacataagac atttctcttt aaccaggtta attgtttttc ttaaaatggc 300
atagactcct ctggttagta gttttattat gcacctcttt caaaactgag gctcctcatg 360
gctgtgtggt ggaacttttt taaaataatg tttttctaca ttattactga aatgcatca 419

```

```

<210> 684
<211> 509
<212> DNA

```



<213> Homo sapiens

<220>

<221> misc\_feature

<222> 295, 372, 421, 429, 469, 478, 481, 497, 500

<223> n = A,T,C or G

<400> 684

```
ccagccacgg taaccacgat ggggtccatcg ctggatggga ccagaaagtg aatacgccga 60
ggcatagggg tgtagcagaa aaagagggtt catcgtaggg tcaccgaagg aggaaatggg 120
aggaaacgtc aaatccatct ccctgaggag ttgggggctg gggtttttaa gggtttggga 180
gtggagactg gagtgtggga gatggttgat tggtcgaagt gtgcaggggt ggagtcattg 240
gaagagggag acgaaagctg ttttttcat tgcttgaatc accattcctc ttgtnggggg 300
gtctttcaaa acttgggttg gtggtccggc ttgtttttgc ttggaaaatt caaggaatct 360
tgaaaaaac antcttttaa gccaaagttt tttaaaccaa aaaaaatctt taatgaattc 420
ntaaatggnc aagaaaaatc ccccatctta ttttttacct ttgccccng ggcggggncc 480
ncttttaaaa aaggggnggn aaatttttt 509
```

<210> 685

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 375, 388, 393, 395, 404, 407, 421, 424, 435, 436

<223> n = A,T,C or G

<400> 685

```
ccacctagca gggctcctct aaacacgcaa ctacagcagg ggaccccoctt cacctctggc 60
aagagagctg ggtagatcag aaacttgggt acacctgggt agcacagagc aggtcactt 120
gtcttgggtc cactaccag attcctgcag acattgcaaa ccaaatgaag gttgttgaat 180
gacccctgtc cccagccact tgttttggtt tcatctgtct tgcagtggaa tgccctgtgtg 240
tttgagttca ctctgcattt gtatatgtga gtatagaaac cgagtcaagt gatcatgtgc 300
atccagacac actgtgtcac ctgaccacag agcaaatacc ttaacaatct ggaatgaaac 360
ttgtgaccag tgccnccctg ggtggttntg gananactgc cgtnttnttt ttgaactcgg 420
nccngaacac ccttngggg gaatt 445
```

<210> 686

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 152, 171, 250, 265, 284, 302, 304, 310, 315, 323, 328, 329

<223> n = A,T,C or G

<400> 686

```
gtccttaggc accagtcttt gttaaacaaa accctttggc actattgtgg ttttctattc 60
tctgtctgaa ctctattcaa aagtatcttt gctctcttgg gccttttctt ttactgtttt 120
gttttttttt tctaattctt ctttcatact anccagtgtg gggaaaagggt ncaatatgtc 180
aaagagatga gagagtgtta tttcttgggc aattttctat tagtgtttct tttttggac 240
ctcgcccgcn accaccctaa gggcnaattc caacccact gggngcggtta ctagtggatc 300
```

cnanctcggn ccaancttgg ggnaaaaanng gg

332

<210> 687

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 446, 458, 478, 503, 511, 518, 522, 547, 548, 558, 559, 568, 571

<223> n = A,T,C or G

<400> 687

```
ccaggagggg tctggctggg acatgccact ctgggccatc agcttctgga tccactcaaa 60
gtggtggctg atattggtgt agacaccggg ccgattgggc cgaccacagc ccaactccca 120
gtcacgact ccaatctgat accacagtcc attcttgta caggccaagg gtccacctga 180
gtcacccaag caggcatcct tcccgccttg ggcattgcca gcacaaacca tgtctccaaa 240
gatgtccttg cggaaactgt acttgaggaa gaggtggttg cacatagagt tgtttatgat 300
ggcgacctga acttcctgga ggggtgggg agatggcaat gcctcatcct ctttgatgta 360
ccccagcca gtcaccagc agtcttgcc ggttctcaaa cttaaagtgt gaggccttg 420
aaacagatgg gcttgatgt gtttantgta ggtgacangt gcagacaact tcaccaangc 480
aatgtcatag ggtgaattcc cangtagcga nggctcanat anattttata ccaataacgg 540
gtgtagnnga ctcggcgnaa ccccttangg ngaat 575
```

<210> 688

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 447, 487

<223> n = A,T,C or G

<400> 688

```
cattaggcca gcaacgcttg tagaactcac tctgggctgt aacgtggcac tggtaggttg 60
ggacaccagg gaagaagatc aacgcctcac tgaaacatgg ctgtgtttgc agcctgctct 120
agtgggacag cccagagcct ggctgcccac catgtggccc caccatcaatca agggaagaag 180
gaggaatgct ggactggagg cccctggagc cagatgggaa gaggtgaca gcttcctttc 240
ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg cccagaggac tcccaaccct 300
ggcttggggg caagaaacag ccagcaagag ttagaggcct tagggcactg ggctgttgtt 360
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggacctcgg 420
gccgcgacca cgcttaaggg cgaattncaa cacactgggc gggccgttct aatgggatcc 480
caacttngg 489
```

<210> 689

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 355, 408, 415, 465, 472, 508, 522, 546, 547, 556, 572

<223> n = A,T,C or G

<400> 689

```
ctgtttattta tgtggctcat gatgcttatt gagcaatctg caaaaataga tttcctgtct 60
cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttgggtcaa 120
attagagctg ccaccatgca cgagggttta cttaaagggtg tttactgatg aataaaactca 180
cacttctgtg aactggttct tgcttcttct gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaaggagg 300
tagtctgggg aataggaccc atcactcatg gagccttttg tatttgatcg cttantgcat 360
caacaatgtg taaccccaca atgggtgggt gagctgcttg ccacatanga agaantttcg 420
gcttttgaag gtttcctctt ttaaaaagaa ataacaattt tcttntgttg antcttgtca 480
aaaaaaaaaa aatggttgagg aaccttgncc cgggcggggcc cntttaaaaa ggggggaaaat 540
tccaanncac ctggngnggg cggttactta anggggaacc caaa 584
```

<210> 690

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 104, 144, 170

<223> n = A,T,C or G

<400> 690

```
cctcggggct tatacaatga gcagtgggct ctaccttcca acaggaagtg caaactaatt 60
cgaagtcaca cttcaccagg agggagagat ggtcttggct gaangcactt taatcaaggg 120
aacaaccaca atgccggaat ttgncttctc ttacttttat aaatctaaan accacttttt 180
tggaaaacca acactg 196
```

<210> 691

<211> 365

<212> DNA

<213> Homo sapiens

<400> 691

```
aagaattcac ttgagtccta tgccttcaac atgaaagcaa ctgttgaaga tgagaaactt 60
caaggcaaga ttaacgatga ggacaaacag aagattctgg acaagtgtaa tgaaattatc 120
aactggcttg ataagaatca gactgccgag aaggaagaat ttgaacatca acagaaagag 180
ctggagaaaag ttgcaaccc catcatcacc aagctgtacc agagtgcagg aggcattgcca 240
ggaggaatgc ctgggggatt tcctggtggt ggagctcctc cctctggtgg tgcttctca 300
gggcccacca ttgaagaggt tgattaagcc aaccaagtgt agatgtagca ttgttccaca 360
cattt 365
```

<210> 692

<211> 293

<212> DNA

<213> Homo sapiens

<400> 692

```
aaaatccctc aaaaactggt tattatataca gtgagttttg agtcacgatg ggcttatcgg 60
taggatttct ggtagcgagc gcgggcacca ggacctcaa actttttgga ctgcagcga 120
cgagggtcag ctaccagcag ggtccggtca tactggatga ggatgtctt gatctcctc 180
ttggaagcct catccacata tttctggtaa taggccacca gggctttgga gatggactga 240
```

cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gat 293

<210> 693  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 693  
cctggggtttg gatttcagaa tcctagctcc gggctccact cgtgtggcag caagactgct 60  
tcgttccagc gtttagaaac acacctgtat ttgattctca gccaggggag cactcgctgc 120  
actggtggga ggcggttggg aaagttgcag gaaaacctta gtcttccatc cttctgaccc 180  
atggtgga aa ttacacccat ggatttttaa tggatctttg ttctaggcag 230

<210> 694  
<211> 566  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 394, 499, 532  
<223> n = A,T,C or G

<400> 694  
ctggtacca aacagagata tagaccaatg gaacagaaca gagccctcag aaataatgcc 60  
gcataatctac aactatccaa tctttgacaa acctgagtaa aacaagcaat ggggaaagga 120  
ttccctatct aataaatggt gctgggaaaa ctggctagcc atatggagaa agctgaaact 180  
ggatcccttc cttacacctt atacaaaaat taattcaaat ggattaaaga cttacatggt 240  
agacctaaaa ccataaaaac ctagaagaaa acctaggcaa taccattcag gacataggca 300  
tgggcaagga cttcatgtct aaaacaccaa aagcaatggc acaaaaagct aaaattgaca 360  
agtgggatct aattaaacta aagagcttct tgcncagcaa aagaaaccac catcagagaa 420  
caggcaacct tacagaaagg ggagaaaaat ttttgcaacc tacctcatct tgacaaaagg 480  
ggttaatttc ccgaaaatnt accattggaa acttcaaacc aaaattttta anaaaaaaa 540  
aaaaaaaaa acccccttta aaaaaa 566

<210> 695  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 695  
atttgacaaa gaaaaatgat acttctcttt ttttgctggt ccaccaaata caattcaaat 60  
gctttctggt ttattttttt accaattcca atttcaaat gtctcaatgg tgctataata 120  
aataaacttc aacactcttt atgataaaaa aaaaaaaaaa aaaaagttt 169

<210> 696  
<211> 239  
<212> DNA  
<213> Homo sapiens

<400> 696  
aaacactgac atcctgtgaa gatgccagtc tttacaggcg tttgtaaaag tagactgtgg 60  
ggagtatggt acactaat ac aaagttttac aaatgaatac aagtgaata tataaattac 120  
aatgaaatag aggaagattg tggctctgtc ctgggttgggt tcttttagca gtcattttgc 180

tgttgggtgag agcagcaaaa gccacatatg cctccaagca ctccatttat tacttgaat 239

<210> 697  
 <211> 205  
 <212> DNA  
 <213> Homo sapiens

<400> 697  
 acctgctcca gcatcactat cctgagccct aaagagtgtg aggtcttcta ccctggcgtg 60  
 gtcaccaaca acatgatatg tgctggactg gaccggggcc aggacccttg ccagagtgac 120  
 tctggaggcc ccctggcctg tgacgagacc ctccaaggca tcctctcgtg ggggtgtttac 180  
 ccctgtggct ctgcccagca tccag 205

<210> 698  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 384, 475, 477, 483, 507, 518, 551, 556, 582, 587, 588  
 <223> n = A,T,C or G

<400> 698  
 ggcaggtgaa gctgatgggg tcaaatagaag gtgaattcaa ggctgaagga aatagcaaata 60  
 tcacctacac agttctggag gatgggttgc cgaacacac tggggaatgg agcaaacag 120  
 tctttgaata tgaacacgc aaggctgtga gactacctat tgtagatatt gcaccctatg 180  
 acattgggtgg tctgatcaa gaatttggtg tggacgttgg ccctgtttgc tttttataaa 240  
 ccaaactcta tctgaaatcc caacaaaaaa aatttaactc catatgtgtt cctcttggtc 300  
 taatcttgtc aaccagtgc agtgaccgac aaaattccag ttattttatt ccaaaatgtt 360  
 tggaaacagt ataatttgac aaanaaaaaat gatacttctc ttttttttgc tgttccaccc 420  
 aatacaattc aaatgctttt tggttttatt tttaccaatt tcaatttcaa aagtntnaat 480  
 gngnggtttaa taaataactt cacactnttt ttgatacnaa aaaaaaaaaa aaaaaaaaaat 540  
 ttttaaaact ncgcnccccc ctgggggaat cccccgggg gngttanngg gacca 595

<210> 699  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 699  
 ctgaccccca ggataagcac tggctggctg agcagcatca catgcgggca acagggggca 60  
 agatggccta cctcctcatc gaggaggaca tccgggacct tgcggccagt gatgattaca 120  
 gaggatgcct ggatctgaag ctagagggaat tgaatcctt tgtcctaccc tctgggatgg 180  
 tggagaagat gagaaagtat atggagacac tacggacaga gaatgagcat cgtgctgttg 240  
 aagcacctcc acagacctga ggccgggtcc cctgg 275

<210> 700  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 66, 201, 213, 225, 251, 255, 261, 262, 265, 280, 290, 303,  
313, 322, 339, 373

<223> n = A,T,C or G

<400> 700

```
cagatgccga ggtggatggt gtggatgaag aggaggagga cgaagaagga gaagatgagg 60
aagacnagga cgatgaggat ggtgaagaag aggagtttga tgaagaagat gatgaagatg 120
aagatgtaga aggggatgag gacgacgatg aagtcagtga ggaggaagaa gaatttggac 180
ttgatgaaga agatgaagat naggatgagg atnaagaaga ggaanaaggt gggaaaggtg 240
aaaagaggaa naaanaaacc nnatnattga agggagaaan atgatttaan aacccccaga 300
ttnacccttg canaaaacca anaaacttgt ttcaaattnt tttgggtttg ggaccttgcc 360
ttcaattggg ganttttttg g                                     381
```

<210> 701

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 54, 79, 91, 117, 125, 138, 164, 174, 187, 194

<223> n = A,T,C or G

<400> 701

```
gtgctatgta tgggtgtgtgt gttgtgtatg tgggtgtgtgg tgtgtgtggt gcanggggca 60
tgtgtgtggt gtatgctcnt gtgtgtgtctg ngctcgtgtg tgtgctgtgt tcatgcntgt 120
gctgngtggt gtgtgtgngt actgcgggga tcataaaata tgantgcttt ttangatggg 180
aattganatg taanatttgg gggt                                     204
```

<210> 702

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 259, 264, 289, 336, 350, 359, 367, 375, 383, 388, 389, 397,  
402, 417

<223> n = A,T,C or G

<400> 702

```
aaattaaaga tgtctagttg ctttttataa gaccaagaag gagaaaatcc gacaacctgg 60
aaagatTTTT gttttcactg cttgtatgat gtttccatt catcaccta taaatctcta 120
acaagaggcc ctttgaactg ccttgtgttc tgtgagaaac aaatatttac ttagaagtgg 180
aaagggactg attgagaatg ttccattcca atgaaatgca ttacaactta caatgctgct 240
tattggtggg agtactatna agantcaaat ttttctaaca tatggaaang ctttttgtct 300
tccaaaaata atacctaggg ataatgggtt aacttnggcc ggaacaccen ttaagggcna 360
attccanacc cttgncggcc gtncttanng gatcccnact tnggaccaac tttggngnaa 420
at                                     422
```

<210> 703

<211> 257

<212> DNA

<213> Homo sapiens

```

<400> 703
ccatccttca gaagatcgac ttccgctatt ggggagagtc tgaggagtcc gttctccac 60
ggggcctcgt cactctttgc gaagggcgcc tggcaggtca aatgacctcc atttccacct 120
cgccctccac cttcttcttt tgcttctcca tcactgcctc cagctctgac actttctctt 180
tgtcctccag cagcgagcgc tgcacggtga cctggctgta cacacgtgcc ccctcctcgg 240
ggctcaccgc ccgcagc                                     257

```

```

<210> 704
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<400> 704
aaaatatgtt tattttgtat gttttacaat gaatacttca gcaaagaaaa taattataat 60
ttcaaaatgc aatccctgga ttgataaat atcctttata atcgattaca ctaatcaata 120
tctagaaata tacatagaca aagtttagcta atgaataaaa taagtaaaat gactacataa 180
actcaatttc agggatgagg gatcatgcat gatcagttaa gtcact                                     226

```

```

<210> 705
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 336, 396, 406, 422, 435, 459
<223> n = A,T,C or G

```

```

<400> 705
aatcaagca catccttgct aatttcaaaa actaccagtt ctttattggt gaaaacatga 60
atccagatgg catggttgct ctattggact accgtgagga tgggtgtgacc ccatatatga 120
ttttctttta ggatggttta gaaatggaaa aatgtttaaca aatgtggcaa ttattttgga 180
tctatcacct gtcatacataa ctggcttctg cttgtcatcc acacaacacc aggacttaag 240
acaaatggga ctgatgtcat cttgagctct tcatttattt tgactgtgat ttatttgag 300
tggaggcatt gtttttaaga aaaacatgtc atgtanggtt gctaaaaata aaatgcattt 360
accttgcccg gcggccgctc gaagggcgaa ttocancaca ctggcnggcg gtctagtgga 420
tnccaactcg gaccnaactt ggcgtaatat tggcataant tttcc                                     465

```

```

<210> 706
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<400> 706
ggcaggtcgc gcggccgtgg aaggtcagcg ccgtaatggc gttcttggcg tcgggacctt 60
acctgacca tcagcaaaag gtgttgccgc ttataagcg ggcgctacgc cacctcgagt 120
cgtggtgctg ccagagagac aaataccgat actttgcttg ttgatgaga gcccggtttg 180
aagaacataa gaatgaaaag gatatggcga aggccacca g                                     221

```

```

<210> 707
<211> 144
<212> DNA
<213> Homo sapiens

```

<400> 707  
 caacattctt caagtatctg aaatactatt aattagcacc ttgtattat gaacaaaaca 60  
 aaacaaggac ctcaattcat ctctgtctag gtcagcacct aacaatgtgg atcacactca 120  
 tgggaaagtg ttttgaggta gttt 144

<210> 708  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 424, 505, 526, 527, 534, 551, 567, 606, 607  
 <223> n = A,T,C or G

<400> 708  
 ctgtctgaac gtgcatgcc tgcacgcctg tgcatttctt cccacgccag aaacaccaac 60  
 gttagcagtg agaaacagcc tctttagag gaatcgctgt ttgttatag atgttatagc 120  
 cacgtgtatt ctctctgatg gacagctata gcagatcagc ttatacttgt cctataattc 180  
 attatatatc aaatgggtgag caaatcacta gacagaacat tccctgaaat agatttttagt 240  
 acagaggcct gaattcatgt ccacaatgac ctgtgcttaa ctattccaaa ggtcgctaaa 300  
 gatactgtta ctactattga gatattattg ggctacttca cgtttacata gtaaatgttt 360  
 gcagcatata acattacaga ctcataaacc cataattaac ttataagtgt taatggacaa 420  
 ctgngctttg atttttgcct ttagtgataa aaaacaaagt aatgaaatgg gtactcctca 480  
 aagcatggac aattttacttt gctantaggg aaaacaaaac aaaatnncaa ttcntgtgga 540  
 accgaacctc naaatacaca aaattgntta aaggccaaag gtgaccggac taacacatga 600  
 accttntt 608

<210> 709  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 709  
 cggcgcgcgc cccatagccg gacggggatc tgagctggca ggatgaatgt ggggggtggca 60  
 cacagcgaag taaaccccaa caccgcagtg atgaatagcc gaggcacatc gctggcctac 120  
 atcatcttgg taggattgct gcatatggtt ctactcagca tcccccttct cagcattcct 180  
 gttgtctgga ccctgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240  
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctgggctact gacacactgg 300  
 gagcaaattg actatgggct ccagtttacc tcttcccga agttcctcag catctctcct 360  
 attgtgctct atctcctg 378

<210> 710  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 710  
 cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga 60  
 ccccaacca ggctgcaacc tggatgccat caaagtcttc tgcaacatgg agactgggtga 120  
 gacctgcgtg taccacctc agccagtggt ggcccagaag aactgggtaca tcagcaagaa 180  
 ccccaaggac aagaggcatg tctgggttcg cgagagcatg accgatggat tccagttcga 240  
 gtatggcggc cagggtctcg accctgccga tgtgg 275



<210> 711  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 711  
 tgaaatcatt gatgaccaca gagctgggaa aattgttgtg aacctcacag gcaggctaaa 60  
 caagtgtggg gtgatcagcc ccagatttga cgtgcaactc aaagacctgg aaaaatggca 120  
 gaataatctg cttccatccc gccagtttgg ttccattgta ctgacaacct cag 173

<210> 712  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<400> 712  
 caggtaaaat atcacagtaa caagatcatg cttgttccta cagtattgcg ggccagacac 60  
 ttaagtgaag gcagaagtgt ttgggtgact ttccacttta aaatatttgg catatcattt 120  
 caaaacattt gcatcttggg ttggctgcata tgctttccta ttgatcccaa accaaatctt 180  
 agaatcactt cattt 195

<210> 713  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 345, 427, 436, 467, 486, 489, 494  
 <223> n = A,T,C or G

<400> 713  
 ctgctgaaac ttgggcctct cctctggatc taaggcccag caacaggcca tcacagcaaa 60  
 taattcatca ggacagttga ttggctgggc tattcggtaa ccattcttca ggtatgcggc 120  
 catctcgaag ggggtcaatgt ccacgtaggg agtctggccc agagtcatga gttccacag 180  
 cgtcactcca aaggcccaca catcactagc gctagagaac tcgttattaa ccagactttc 240  
 aagagccatc caacgaactg gcctgttttc attgtccccc agacagtgat agtccatggg 300  
 gaacaagtct ctggagaggg cattgtctgt gatcttaact tgaantgtgt catcaatgac 360  
 acagttcctg gcaaccaggt ctttgtggat gacttccctt ctggacctcg gccgcgacca 420  
 cccttanggc gaattncaca cactggcggc cgtactaatg gatccanctc ggaccaact 480  
 tggcgnaana tggmataa 498

<210> 714  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 714  
 aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60  
 tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120  
 agatgactct ggttttgttt ggtttgccgc caggagtgc tgtgttggtc tttgctttat 180  
 atacataagc gcatctcttg cccaaataga attctgtttc atctcgggag tgaacacctt 240  
 caatttta 248

<210> 715  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 715  
 gtacaaacga gtcttggcct tgtctgtgga gacggattac accttccac ttgctgaaaa 60  
 ggtcaaggcc ttcttggctg atccatctgc ctttgtggct gctgccctg tggctgctgc 120  
 caccacag 128

<210> 716  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 716  
 ctgggccagg gatctctgaa tcttgggaaa cttggaactc tggaactcag cttgatcaaa 60  
 gagaagggtc tttagctctc aggtggaagc aggtagactc cattttctga gagagtagtg 120  
 tcttcttccc agaagctgga gaggtgagat tggatctgct 160

<210> 717  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 717  
 ctgggtttaga aaagtttagt atgtgacgat aaactagaaa ttacctttat attctagtat 60  
 tttcagcact ccataaatc tattacctaa atattgccac actattttgt gattt 115

<210> 718  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 718  
 ggacgtacgg tcttgctagt agaggaatat gtogagtttc tctagggcgc cccagcaatg 60  
 ggccactttt gctagaatat ggtatctctt agatgggaaa atgcagccac ctggcaaact 120  
 tgcctgctatg gcatctataa gacttcaggg attacataaa cctgtgtacc atgcaactgag 180  
 tgactgtggg gatcatgttg ttataatgaa cacaagacac attgcatttt ctggaaacaa 240  
 atgggaacaa aaagtatact cttcgcatac tggctaccca ggtggattta gacaagtaac 300  
 ag 302

<210> 719  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 719  
 ttttctttat aattcacaca tatatgcaga gaagatatgt tcttggttaac attgtataca 60  
 acatagcccc aaatatagta agatctatac tagataatcc tagatgaaat gttagagatg 120  
 ctatatgata caactgtgg 139

<210> 720

<211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 720  
 ccagacctga ggccacaga cctgggtcccc acaaccagga ttcctacaat gtacacattc 60  
 ctaatccagg ctcaactctc ctttacccaa aagtaaagtc ctcaggactc aatctgaatc 120  
 actgtctgtc tcagcttctt tcacatccac gctgaatttg tactcctggg cacatcccat 180  
 gtaagcgtca ctcatgaagt acagagtgtg gttgtgggca ccagtggctg gggccacaaa 240  
 gtccaacttc accttggcct tctgctgcaa ggtcagcctc ttgatggaga tgaggctatt 300  
 ggacttggca tctccaatca ccacccac 328

<210> 721  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 721  
 aaaatcacaa cagttagcaa gctgactttt gtaatgtgct caatacaaat acttgtgaac 60  
 ttttaatatg ttgagtgcct tcatcttgat aactggatct ccatttgata ttttcatttg 120  
 tataactcat ttgcagtctg aaaatttttt ttagtgccag tccctgaaca tatcattgaa 180  
 agttaatttt ctttgcattt t 201

<210> 722  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 722  
 cacaagcctc ttctgaagat ggaaggcctt ttgcccgttg aggtagaggg gaaggaaatc 60  
 tcctcttttg taccacaatac ttatgttgta ttgttgggtgc gaaagtaaaa acactacctc 120  
 ttttgagact ttgcccaggg tcctgtgcct ggatgggggt gcaggcagcc ttgaccacgg 180  
 ctgttcccct caccacaaaag aattatcatc ccaacagcca agacccaaca ggtgctgaac 240  
 tgtgcatcaa ccaggaagag ttctatcccc aagctgg 277

<210> 723  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 723  
 ctgattttat ttcctttctc aaaaaagtta tttacagaag gtatatatca acaatctgac 60  
 aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120  
 gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180  
 ggcaaaaaaa agtttaaaaa caaaaaccct taacgggaact gccttaaaaa ggcagacgtc 240  
 ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300  
 cagacttaaa tgtacaaaga tgttttccct tttttcaatt ttt 343

<210> 724  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 724

```

aagagatctg aaaccagcca tagtgaaagt ctatgattac tacgagacgg atgagtttgc 60
aattgctgag tacaatgctc cttgcagcaa agatcttgga aatgcttgaa gaccacaagg 120
ctgaaaagtg ctttgctgga gtcctgttct cagagctcca cagaagacac gtgtttttgt 180
atcttt 186

```

```

<210> 725
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 323
<223> n = A,T,C or G

```

```

<400> 725
aaataaatac ttagaacacg acttggtctc tacaagcatc tggactctag gtctcagtac 60
tggagtgtct caccatggg cccacgcag ggacgccacg gttccctccc acccctgat 120
caagacacgg aatcggtgc cgttggttg atcgcaatgc gccccttttc tagagccttc 180
ccggccatc tacaggcagg atgcggctgg gaaaaagaca actggaattt ctggaagggt 240
gatggtccgc acggttgagg attctacgtg gttctcttgg ttccctggt gtgtgtgtgt 300
gtggaggagg ccgcggccct tanatcacct tcttgagctc gtc 343

```

```

<210> 726
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 726
ccagggactc cagaatgatg cccatggcc cctcggcgtc acagagaaga aaatagtctc 60
cagtggactc gatgcagtc ttgtacatgg tgacttatgg gtgtggacct caccagaatg 120
gttttctgat gccctgcaga aaaaggatga gacaaattga caactctgca tctcttaggt 180
tggtgcaaaa gtaattgtgc tttttgctat taaaagtaat ggcaagaagg ctgggtgcgg 240
tggctcactc ctgttatccc agcacttttg aaggctgagg cgggccgac acttgaggtc 300
agcagttcaa gaccagcttg gacctgcccg ggcgccgct cgagccctat agtgagtcgt 360
attag

```

```

<210> 727
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 33, 39, 70, 73, 91, 97
<223> n = A,T,C or G

```

```

<400> 727
ctgagctcca cacagccaca tgaggatggg gancagcctt tcttggggtt ttgaaataac 60
gaataaagtn gancagtga tttcaatcaa nctggtnct caggaccgtc ttgccaaaac 120
accagttggc ttttggttgc tggaagctgt agcttttcaa aacgttcaca catttcaatg 180
tategtcaat gtttttacct cggccggacc acgc 214

```

```

<210> 728

```

<211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 126, 136, 140, 146, 149, 160  
 <223> n = A,T,C or G

<400> 728  
 gaagtggggt ggaagaagtg ggggtgggacg acagtgaaat ctagagtaaa accaagctgg 60  
 cccaaggtgt cctgcaggct gtaatgcagt ttaatcagag tgccattttt tttttttggt 120  
 caaatnattt taattnttgn aatgcncant ttttttaatn tgcaaataaa aagttttacct 180  
 cggccgcaac c 191

<210> 729  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 412, 460, 497, 513, 516, 519, 524, 546, 556, 564  
 <223> n = A,T,C or G

<400> 729  
 nttagaaaat aaaactttta atacttaaga gataacatga tgcaaacggt gcttggttggc 60  
 ctgactttcc aggactaaga ccctctggga atcaatgggg ctcggtgaca tggcgtaacc 120  
 tgctactggg gtgtgggtctc agacacaaaa tcacactgga tgttgggtcta caaaggcagg 180  
 attctctcat tgctggataa ctcttgaaat gaagcctttg cctttgttac acatttggct 240  
 ttacaatctt cattgacaaa tagttcggca aagagtagag gagcacggcc acgaagagca 300  
 gcaggataag caggaacagc aagccgatga tgaccactt aaagcggcgc cacacgatga 360  
 acttcatggg cttgcatggg ttggtgaacc agaagaagga ggtttctggt cnatttggtta 420  
 aagtcacttt ggggttatgt tgggtcgtcc gcccttcogn tggcttcgtc ggctctttcg 480  
 tgaggattcc atgtatntcc tttccacatt ccngcncnt ttttctacat gacttgccac 540  
 cctagnaatc acctgngcgt ctangtcact gacat 575

<210> 730  
 <211> 144  
 <212> DNA  
 <213> Homo sapiens

<400> 730  
 ggatttttaat atgatatttt attatgggtg tctgtaagga aaaaaaagat caacaaccac 60  
 atacaagctt acaaagttaa atttcaacac attctctatg ctagtgtgac aaaagcagcc 120  
 ccataatttg gtttttattg ttga 144

<210> 731  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 731  
 aaaatactga acaaaaagac taaaaagggc caaccaaact tgaatgtaca aatggagtac 60

```

cttcttcaaa aaatacaaga aaaatgttaa acattttgtt cctacagggtt aaaatatctg 120
ctgcctatta ggttcttctg tgacatgtgc ctcccagcag tgaactaaat ttgtcgacat 180
aaactggatt gctaaactat gctaaatata agatgttcac atatttttat tatggtaaaa 240
aatttttctaa atatgttcta catgtttctt atttatttgc ctctgaagga aggttggcct 300
gaagaactga aagaacctct tattttgcaa gacaggccca agcatgtaat acttttgtac 360
catatgagat ttatatgaaa taaatttttt 390

```

```

<210> 732
<211> 695
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 43, 272, 315, 321, 323, 431, 436, 453, 463, 473, 485, 509,
532, 542, 564, 580, 585, 598, 602, 637, 639, 649, 654, 661,
666, 673, 674, 689, 693
<223> n = A,T,C or G

```

```

<400> 732
cggccgaggt aaaacaattt acctcagaat tccaagttga agntcccaaa gtatattaaa 60
aactttctcaa atcattaatt tgaatcagat gttccaaatc aaagggaatt aaatactctt 120
ttttcttggg ccaattggat aaatcttgaa acctattttg aaatagtatt aaagtgacaa 180
gaaaaagcca aaaatatatc ttttgccttg gcctttggat atttttaacc atggtaccat 240
tttttggccc aaggcttggg aaatattcca anttaggaaa ataaaaagcc cttctttcat 300
cattaaaagc tttanggata ntnaaattat ttcttggaag ggaaatggaa atttcccctt 360
aaattacctt ttttaagttt aaatttcccc ggtggaaaaa taaagccaaa aacaggcccc 420
tttggaataa nttggnaaaa acctggtttc ttnaaaggta atnggggaaa atnaattctt 480
tcttnaagaa atttgcccac accctttanc ccgaagggtt aacctggagt tnttttgaag 540
gncctgaagt atttttgctt gggncctggc caatcatttn ttanccctgg ccccggnngg 600
gncgctttga aaagggggga aatttccaca ccccttngng ggccggttnc ttanggggat 660
nccaanctcg ggnnccaaac tttgggggna aanat 695

```

```

<210> 733
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 213, 347
<223> n = A,T,C or G

```

```

<400> 733
ttttttttgc ttttatgggt tttatttttc aattttttatt ttggtttttct tacaaagggtt 60
gacattttcc ataacagggt taagagtgtt gaaaaaaaat tcaaattttt gggggagcgg 120
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 180
tgcccacaat ttaagcaagt agatgtgcag aanaaatgga aggattcagc tttcagttaa 240
aaaagaagaa gaagaaatgg caaagagaaa gttttttcaa atttctttct tttttaattt 300
aaattgagtt catttatttg aaacagactg ggccaatgtc cacaanaaat tcctggtcaa 360
caccaccgat cctgcccccg cggg 384

```

```

<210> 734
<211> 458

```

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 271, 364, 384, 405, 407  
<223> n = A,T,C or G

<400> 734  
ctgagcctga gtgcgaagac ggagagaagg ccgaccacag tcatgacatc aacccccata 60  
acctggggac aactcaagaa aaccacacag gaggctgaga aactactgga gcaccagggga 120  
cagtctgtaa agttggatgg accaccaatg ggaaaatgag agctgcccac cctggcctta 180  
cactccttca attaatacat aaacagaaaag gaggatatac agagagccaa aggcccatgg 240  
gacgtgaçca acattccact gagtctatac natcaaacag caaactgttt atcatgaata 300  
cagaatgtgg gcaaaactcat gacttgtgcc tgccccaaaa ggtttgctga agggcaattg 360  
cttinctgacg cccagctcct tganggtatc tattgggaca tccananaat gcagtcttgc 420  
aagcctactc tggaccgaac aaaactcggc cgcgaaca 458

<210> 735  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 224, 296, 325, 394, 403, 443  
<223> n = A,T,C or G

<400> 735  
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt 60  
gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aaggggggtgg 120  
gtttgaaggc cagggccaag gggtcctcag gtccgcttct gggaagggac agccttgagg 180  
aaggagtcac ggcaagccat agctaggcca ccaatcagat taanaaattc tgagaaatct 240  
agctgaccat cactgttggg gtccagtttc ttcacatgc cggtaagga caccanggg 300  
ccttcttggg tctttgtgaa ggcanccttag ttcttgtatt catgaaactt aaggaactct 360  
ttctttggaa aagaagtgtg agttataacc catncttttc canccatacc tttttggaaa 420  
aacaacaaat caaggggact tcnaatgcac ccg 453

<210> 736  
<211> 317  
<212> DNA  
<213> Homo sapiens

<400> 736  
ccagagcgag tctaccctgg taatctccac cttagacaaa taattataat ctagcattgc 60  
aaaaaagaaa taacacatat ctaccagaga tatacacaac aatttcatac cagcattggt 120  
agtaattaga agaattataa gcaatctatg ttgcaacagt aggaaaatgg ataaatgagc 180  
tgtagtacat gtataaaaaga gtcaaaacag agaaaatgaa tgaactagaa ctacatcttt 240  
aacatatatg aatacttttc aaaagaaaaac aatctgcttg agattatata caatatattc 300  
ctattttatac aaggttt 317

<210> 737  
<211> 220  
<212> DNA

<213> Homo sapiens

<400> 737

```
ccagggcccc cctgctccag gctgggcgtc agaaaccctt cccagcccc tcggaattcc 60
ccagggtgga ggtccccctca aacacagccc ctcagcttct aggtgcttt ggaggccaga 120
caggaagagt tccattcatt caccctgac ccagcagtag tagcgggatg agaaactcac 180
ccccaggccg ggggtgcttg gagagcgctt gagaggattt 220
```

<210> 738

<211> 262

<212> DNA

<213> Homo sapiens

<400> 738

```
aaaaacagac tgtaacttga tcttctgaaa tccttctcga accacaactc gttctgttaa 60
agaaatccta ggaaagaagt cctactgata ttgtcgatag tctccaaaag gtgaggaagg 120
taactgagtt gaaggcaact gggaggggtc ttctgcaaac tgaggaccat tgggaaactg 180
tgcagaggca aatcttgtca acaagatacc agctccttca attaaagcta ggagaatgcc 240
acccattgcg gctgacccaa cc 262
```

<210> 739

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 536, 537, 540, 564

<223> n = A,T,C or G

<400> 739

```
agaaggccct gaagctgatg ggggtcaaatg aaggtgaatt caaggctgaa ggaaatagca 60
aattcaccta cacagttctg gaggatggtt gcacgaaaca cactggggaa tggagcaaaa 120
cagtctttga atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcacctt 180
atgacattgg tggctctgat caagaatttg gtgtggacgt tggccctggt tgctttttat 240
aaaccaaact ctatctgaaa tcccaacaaa aaaaatttaa ctccatattg gttcctcttg 300
ttctaattctt gtcaaccagt gcaagtgaac gacaaaattc agttatttat ttcaaatgt 360
ttggaaacag tataatttga caaagaaaaa tgatcttctc tttttttgct ggtcccccaa 420
atacaattca aatgcttttt gtttattttt taccaatttc aattcaaaat gtctcaatgg 480
ggctttaata aataacttca acctctttat gacaaaaaaa aaaaaaaaaa aaattnnctn 540
ccgggggcct taggggaaaa tcncac 567
```

<210> 740

<211> 357

<212> DNA

<213> Homo sapiens

<400> 740

```
aaataattat ctatgtgcct gtatttcctt tttgagtgtc gcacaacatg ttaacatatt 60
agtgtaaaag cagatgaagc aaccacgtgt tctaaagtct agggattgtg ctataatccc 120
tatttagttc aaaattaacc agaattcttc catgtgaaat ggaccaaact catattattg 180
ttatgtaaat acagagtttt aatgcagtat gacatccac aggggaaaag aatgtctgtg 240
gtgggtgact gttatcaaat attttataga atacaatgaa cgggtgaacag actggtaact 300
tgtttgagtt cccatgacag atttgagact tgtcaatagc aaatcatttt tgtattt 357
```



<210> 741  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 741  
 ccaccctttc agactccttt ctgaatgctt gtggcatctg ccccatgatt aggaatggac 60  
 accctgacca cgtcatagat gcccatttca cactggcatg tggatagtga ctataaaacg 120  
 tcccttcaga acaaaccaag acctgaaggg gaagcaggaa gggacacca cacactgagt 180  
 ctctgctctc atcctagctt atctgg 206

<210> 742  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 254, 392  
 <223> n = A,T,C or G

<400> 742  
 aaatagccta aatgatggtg cttggtgagt cttggttcta aaggtaccaa acaaggaagc 60  
 caaagttttc aaactgctgc atactttgac aaggaaaatc tatatttgtc ttccgatcaa 120  
 cttttatgac ctaagtcagg taatatacct ggtttacttc tttagcattt ttatgcagac 180  
 agtctgttat gcaactgtgtg ttcagatgtg caataatttg tacaatgggt tattcccaag 240  
 tatgccttaa gcanaacaaa tgtgtttttc tatatagttc cttgccttaa taaatatgta 300  
 atataaattt aagcaaacgt ctatttttgta tatttgtaaa ctacaaagta aaatgaacat 360  
 tttgtggagt ttgtattttg cataactcaag gngagaatta aagtttt 407

<210> 743  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<400> 743  
 aaaaatgtct aaatttgctt ttgccatggc gctaattgcta atggtaaatt attgattgcg 60  
 tg 62

<210> 744  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 477, 480, 484, 510, 521, 525, 530, 541, 550  
 <223> n = A,T,C or G

<400> 744  
 cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60  
 ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaa 120  
 cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180

```

gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagtctctc 300
cgccctcttg gtgaggtcaa tgtctgcttt ctcaacacca catgagcata tcttcgggcc 360
acacccttaa tggcagtgat ggcaaaagct attttccgcc cccatcgatt tgggtgttgag 420
tactccaaaa tatgctggaa cttttcagga tactagagaa tggctgcaca caagcgnggn 480
tgangetcac ctgcgccgac acctaaggcn aatcacaatg nggcntctan ggaccactcg 540
nccactgggn atatgga 557

```

```

<210> 745
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<400> 745
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcaactg 60
aatcacagca gtcagaagaa agtgcttttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatacaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg 297

```

```

<210> 746
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 360, 417, 438, 446, 470, 472, 501, 504
<223> n = A,T,C or G

```

```

<400> 746
aaagaactct gggctgtact gaatggctgg agacaacact ttatcagttt tgacactgac 60
aggagtggaa cagtagaccc acaagaattg cagaaggccc tgacaacaat gggatttagg 120
ttgagtcccc aggtctgtgaa ttcaattgca aaacgatata gcaccaatgg aaagatcacc 180
ttcgacgact acatcgccctg ctgcgtcaaa ctgagggctc ttacagacag ctttcgaaga 240
cgggatactg ctacagcaagg tgttgatgaat ttcccatatg atgatttcat tcaatgtgtc 300
atgagtgttt aaatcaagaa gaagctgcat gaatgtaatc aacattcaac tggagctctn 360
ctttgcttgt cctctttgcc ttcggttaata tgtataaact tacatcaoga ctttctntta 420
acagaactcg gccgcgancc ccttanggcg aattcaacac cttgcggccn tntagtggat 480
ccactcggac caacttggcg naanatggga taat 514

```

```

<210> 747
<211> 249
<212> DNA
<213> Homo sapiens

```

```

<400> 747
atcaatgctt acaattgtga agagcccaca gaaaagttac cttttcccat catcgatgat 60
aggaatcggg agcttgccat cctgttgggc atgctggatc cagcagagaa ggatgaaaag 120
ggcatgcctg tgacagctcg tgtggtgttt gtttttggtc ctgataagaa gctgaagctg 180
tctatcctct acccagctac cactggcagg aactttgatg agattctcag ggtagtcatc 240
tctctccag 249

```

```

<210> 748

```

<211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 364  
 <223> n = A,T,C or G

<400> 748  
 ctgagaaaca gattaaacat ttagagattg aaaagaatgc tgaaagtagc aaggctagta 60  
 gcattaccag agagctccag gggagagagc taaagcttac taaccttcag gaaaatttga 120  
 gtgaagtcag tcaagtgaaa gagacttttg aaaaagaact tcagattttg aaagaaaagt 180  
 ttgctgaagc ttcagaggag gcagtcctctg ttcagagaag tatgcaagaa actgtaaata 240  
 agttacacca aaaggaggaa cagtttaaca tgctgtcttc tgacttggag aagctgagag 300  
 aaaacttagc agatatggag gcaaaattta gagagaaaga tgagagagaa ggcagacac 360  
 ccnnggc 367

<210> 749  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 370  
 <223> n = A,T,C or G

<400> 749  
 aaatttagta ttacatatga tctggctaag agcaagaggc cttcttatga gtgatctcca 60  
 tcaccctgta cagtgcctgg cacagaatct agagtttagc caactctcaa caaatgtttt 120  
 agtgaatgaa tgaatgattg actaaagaaa aacatgagtt acttagtgac caaatctaata 180  
 actcagtgga atagctgatt ataatcgcta aaatattcat aatagaaata aagagatctg 240  
 tatgcagtct actccatata gtcaaaagat ctcatggtag ccttttctaa atgaaatttt 300  
 tcttaagtag tgtaagaata aatttaaact aattataatt atcaagtgac ttcttaggga 360  
 gatgttttan gaaaaattat taat 384

<210> 750  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 298, 334, 376, 442, 488  
 <223> n = A,T,C or G

<400> 750  
 ctgtaaaaga tcctatgcga aagacactgg ctcttttttt taatcccca aataaatttt 60  
 gccccctttt aggccatgtt ccattatctc ttaaaatttg aacctaatc gagaggaagt 120  
 aagaagggtc tgttctgtgg ctgagctagg tgaaccccg ggtaggggaa agatgttaac 180  
 acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240  
 tcaaagctgc cctgcctgtt ttaggaggcg ttccacaaac agattgaggc tcttttanaa 300  
 ttgaatttac tcttcagtat tttctaattg tcanctttct aagaagcata tatttttcaa 360

```

agaagtgagg atgcantttc tcacgttgca acctattctg aaatgggtta cctgccccgg 420
cggccctcga aagggcgaat tncacacact ggcggccgta ctaatggatc cactcggacc 480
aacttggnnta acatggcata ct 502

```

```

<210> 751
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<400> 751
taaaaattga aaaaagtgga aaacatcttt gtacatttaa gtctgtatta taataagcaa 60
aaagattgtg tgtatgtatg tttaatataa catgacaggc actaggacgt ctgccttttt 120
aaggcagttc cgtaaagggg ttttggtttt aaactttttt ttgccatcca tcctgtgcaa 180
tatgccgtgt agaataattt tcttaaaatt caaggccaca aaaacaatgt ttgggggaaa 240
aaaaagaaaag aatcatgccg gctaatacat tcaagttcac tgctgtcag attgttgata 300
tataccttct gtaaataact ttttttgaga aggaaataaa atcag 345

```

```

<210> 752
<211> 675
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 13, 337, 347, 375, 384, 485, 496, 500, 502, 510, 516,
530, 539, 553, 560, 563, 586, 588, 610, 622, 629, 630, 634,
640, 648, 659
<223> n = A,T,C or G

```

```

<400> 752
ctgtntgtac tanacaaggt taccaagtgc ggaattgggt aatactaaca gagagatttg 60
ctccattctc tttggaataa caggacatgc tgtatagata caggcagtag gtttgttctg 120
taccatgtg tacagcctac ccatgcaggg actgggattc gaggacttcc aggcgcatag 180
ggtaggacca aatgataggg taggagcatg tgttctttag ggccttgtaa ggctgtttcc 240
ttttgcatct ggaactgact atataattgt cttcaatgaa gactaattca attttgcata 300
tagaggagcc aaagagagat ttcagctctg tatttgnggt atcaggnttg gaaaaaaaaa 360
tctgatactc cattngatta ttgnaaatat ttgatcttga atcacttgac agtgtttgtt 420
tgaattgtgt ttgttttttc ctttgatgga cttaaaagaa attattcaaa gggaaaaaaaa 480
acaantatgc cccttntttt anccgaaccn aaccanaaaa agaaaattgn gctttttnt 540
aatccaaagg gtntttttgn agnatgcttg acttttccca tttttnanga catctttccg 600
accttttttn cctaaaacct tntattggnn aaancttaan cttttcanga ttttcccang 660
aatttttctt ttttg 675

```

```

<210> 753
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 382, 399, 402, 405, 413, 430, 433, 441, 442
<223> n = A,T,C or G

```

```

<400> 753

```

```

gaaaattcca tggacacccc ctggaactgc tctgcagttt tactccaacc tacacaatgc 60
tgaaacctct tcttgggtga atttggtatt gtggtgtgtg gtcttgggtgc tccaggtcgt 120
gcagtgggaag tctgaagcca ccccataccg gcctctggag aggggtgacc ctgagtggag 180
ctctgagaca gatgctctcg ttgggtcagc cctttcccat tcctgaagaa taagcggagt 240
gcttcctgca gccgaagact ccatgcccaa gtgcctgtaa tccccccct caaggccctg 300
tttatgttgg gagtcttagt ttctcttctg ttggggggtg ggggggaaac ataatgacag 360
gccccctcc acctcttctt gnagacctgc ccgggcggnc gntcnaaagg gcnaaattcc 420
acacactggn ggnccgtcta nnggatcc
448

```

```

<210> 754
<211> 603
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 337, 476, 489, 529, 539, 556, 571, 584, 594
<223> n = A,T,C or G

```

```

<400> 754
ggcaggtcta aagtgtgagt aggaacattc tcttattatg ggtggaggaa agagagagga 60
gattgagaaa ataagataaa atacattgat gcgcattcatt tttggtgttc gaaaagtagg 120
attgaattag gactaataaa tctagagaat ttacctctt tcaatgccca agccacactt 180
ttctatcact ttgaaaccga aaaagtaaat actttcccaa catttgcttt gctggttaga 240
aatgctttta taaaaatgca atctctaagt tgccatggca tcattaaaag aaaggatgtc 300
atgcccaggt ccagaacttg aaggtggcag gcaccancaa gcaccatagc tctgaatggg 360
cctgccttac aggtcctcac tccaacactg ctacttctt ccagcttgaa aatggagaac 420
atgttcacac cctgggttgt aagtaggagg aactctgac agcaagaagc ttgcanagga 480
caatatgang caatagtatt ttactggacc tcggccgcga acaccttang gcgaaatcna 540
ccccttggcg gccgtntatg gatccactcg nccaacttgc gaanatgggc aaanttttcc 600
ggg
603

```

```

<210> 755
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<400> 755
aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgactcctt gttgaacggc ttttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
acctgcccgg cggc
254

```

```

<210> 756
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 756
ctgattctat ttcttctca aaaaaagtta ttacagagg gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgatttttcc ttttttttcc cccaaacatt 120
gtttttgtgg ctttgaattt taagacaaat attctacag gcataattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240

```

```

ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

```

```

<210> 757
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

```

```

<400> 757
gtaanacctc ctgcccttag ctctcttgct caccacccaa gaacctcagg acagaagcga 60
gagcccattg ctctgtctca gctcagcccg gctgcgaggg aacccttggc aggcagaacc 120
tggagggtgtc agagggtcaa ctctctccatc taaccagcag gctcccagag tccccggaag 180
agcctgcgca g 191

```

```

<210> 758
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<400> 758
ctgccttttc tgagtacctt cgcagcgttg gaagaccagg ccaactgcata tgtgtgtgag 60
aatcaagcct gctcagtgcc catcactgat ccctgcgaat tacgaaaact actacatcca 120
tgactgcccc aacccccctt ggggtggggca gaaggtgaag catcccaact gactagagac 180
tcaggccctg cagggcccta tagaacctgt gg 212

```

```

<210> 759
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 35, 47, 51, 89, 92, 102, 125, 156, 159, 163, 189, 202,
203, 224, 239, 242, 245, 321, 359, 361, 377, 410, 429
<223> n = A,T,C or G

```

```

<400> 759
aaaaaagtga cattgnttta ttactattgg caggnggggc ctgcatnagg nggttagtgt 60
gctcagggga tgggtgggct gtggaaatna tnacaaaaag gntggaagga aagggggtgg 120
gtttnaaggc cagggccaag gggtcctcag gtccgnttnt ggnaagggaac agccttgagg 180
aaggagtcnt ggcaagccat anntaggcca ccaatcaaat taanaaattc tgagaaatnt 240
anctnaccat cactgttggt gtccagtttc ttcacatgc ggcaaggaca ccagggtcct 300
tctggttctt tgtgaaggca nctagttctg tttcatgaac ttaggaactc tgcttgana 360
nagtgtaac tgcgcnacc ccctaaggcg aatccacaca cttgcggccn tctatggatc 420
caactcggnc caacttgcga atatggcata 450

```

```

<210> 760
<211> 519
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 246, 290, 322, 341, 409, 414, 416, 419, 427, 429, 451, 472, 484, 492, 495, 497, 507

<223> n = A,T,C or G

<400> 760

```

tttaactcct gaaatcgaac tacgtttaag tttgtatggt tattacctgt ttgagcactt 60
aggtgcaatt gtgggagcgg ggatgtcaag ttcatTTatg tgactctttg gctcaactta 120
cataatcttt gttttgatat cacagttgtc taattatTTt actttgtagc ttaaggcagg 180
ctgaattggt gataaaaatg gaaaaaagta gtatattggt atataagctt ctgaggtgtg 240
ttttgntgta taacctggag gttaaaaagc atcccttatg tatagtagtn aaggcataaa 300
ctgtgacttt aaatattcac anaaccagac ttatttgatg ngataatacc atgattagca 360
tttggttgct tttgtttatt tatccgggtca ttttctcttc catgtcatna acangnggng 420
gcggtanana taaacctgcc ggcggccctc naaaggcgaa ttccacacac tnggggcgta 480
ctanggatcc anctngncca acttgngaa tatggcata 519

```

<210> 761

<211> 270

<212> DNA

<213> Homo sapiens

<400> 761

```

gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc 60
ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg ccagaggac tccaaccct 120
ggcttggggg caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttggt 180
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggcctctcc 240
agtttgcacc tgtccccacc ctccactcag 270

```

<210> 762

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537

<223> n = A,T,C or G

<400> 762

```

atgacggggc cggtgctgaa gggcagggaa caacttgatg gtgctacttt gaactgcttt 60
tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120
gcaaaagggg agctggctac ttctcgctct gcttcacccc actattatTT tggcacaaca 180
gggagctggt gaaggaggat gttcccatct tggtcagtc tatgcgata gagatgtctg 240
gaagccagaa ccatgccaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300
aatatgtgac gatcaagaat tagactgccc caaccagaa attccatttg gaaaatgttg 360
tgcagtttgc ccacagcctt caactgcttc tactcgccct tctaattggtc aaaggacctc 420
gangcccaa ngggaaaatc caggnccttc tggatttctt ggganaaaag ggggacctg 480
gtatttccag gacaancang ggncccttgg gttttnctgg gccccctggn aatttngaa 540
taatgcccta ctgggccctc aaaactatTT ttcccca 577

```

<210> 763

<211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 763  
 ctggagatgg tggatgaacgg tctgtttgca tttcttggaa gaagatcttt tattctgctg 60  
 ctcaaccag gtctctgcct tccttagaga ctgaggccca tccttcagtt tccctgattc 120  
 tggagaatgg cccgcagcct cccactcagg gcttggctgt gctcctctag tccatcccag 180  
 ggctggaagg gacatccctg gcggtacacg aagggtgtccc agcagtgcctt aaattcactg 240  
 tatgtcatta ttgaaatatt g 261

<210> 764  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<400> 764  
 aaaaacaaaa tcacttaaag gaccctttga ctgatgcctc tcagtttata tttttatgtg 60  
 acttttatatt tcttttgata cacttgacat tttaggaaat tttgatgtga tttatcaaaa 120  
 cctttacttg atgggttagag ttcttgcat tttgaaatca aatctgtaac aacagaaatc 180  
 ctggaatact cttaatatat acttctatct tgtgtttgtt actgtgatta atatttgcag 240  
 ttgtatatatt tacattt 257

<210> 765  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 765  
 ccagtgcctgc cagccgacct ttctgtggtg atggaaatct ttttctgtgc tgtccaatac 60  
 agcagccacc gaccactttt gcttattgag cacctcaata tagaggtgg 109

<210> 766  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5  
 <223> n = A,T,C or G

<400> 766  
 tgcantattat ttgcccacag ttgtcctctt cttcagattc agcatttggt ctttgccagt 60  
 ctcattttca tcttcttcca tggttccaca gaagctttgt ttcttgggca agcagaaaaa 120  
 ttaaattgta cctattttgt atatgtgaga tgttt 155

<210> 767  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



<222> 9, 10, 34, 44, 51, 208, 212, 214, 231, 244, 267, 269, 278,  
282, 291, 303, 304, 309, 316, 319, 321, 332, 333  
<223> n = A,T,C or G

<400> 767  
aaaaacatnn actatacatt gaaatgtgtg aacnttttga aaanctacag nttccagcag 60  
ccaaaagcaa ctggtgtttt ggcaagacgg tcctgatgta caagcttgat tgaaattcac 120  
tgctcacttg atacgttatt cagaaaccca aggaatggct gtccacatcc tcatgtggct 180  
gtgtggagct cagacctgcc cgggcggncg gntntaaagg gcgaattcca ncacactggc 240  
ggcncgatac tagtggatcc aactccncnc caactttncg tncccatgga natatttttt 300  
ggnnngaant tttttncnc nccggggggc cnnttaaaag gggaa 345

<210> 768  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 768  
aaaacaacta cttaacattt actcatagat aaaaatatatt acaattttac accttcagga 60  
aggctccaaa atataaacac tgtacctctc cctagagaaa aaaaaattat tcttctcttc 120  
aaaaacagga atacattcat tttttctcac tgtgtgaatc aagtaattat acaataaac 180  
atctgaaaca ttttcctttt taatatattt ata 213

<210> 769  
<211> 525  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 460, 470, 479, 499, 512, 515, 519  
<223> n = A,T,C or G

<400> 769  
aaaatgaaaa attggtgcta ctattaaatt gcacagttga atcatttagg cgcctaaatt 60  
gattttgcct cccaacacca ttctttttta aataaagcag gataacctta tatgtcagcc 120  
ttgccttggt cagatgccag gagccggcag acctgtcacc cgcagggtggg gtgagtctcg 180  
gagctgccag agggggtcac cgaaatcggg gttccatcac aagctatggt taaaaagaaa 240  
attggtgttt ggcaaacgga acagaacctt tgatgagagc gttcacaggg acactgtctg 300  
ggggtgtagt gcaagccccc ggccctcttc tgggaacctc tgaactcctc ctccctctgg 360  
gctctctgta acatttcacc acacgtcagc atctaattccc aagacaaaca ttcccctgct 420  
cgaacaaacc tgcccgggcg ggccgctcaa gggcgaattn cacacacttn gcggccgtnc 480  
taggggatcc caactcgga ccaagctttg gnggnaaana tgggg 525

<210> 770  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 770  
aaaaatttac ttattacttg ttcttagcaa attaagacaa ttacaataaa acatcagcta 60  
actgggttct tgtgagaaaa ctgaggtcag cttggaaagg agttccccga gtggagttcc 120  
cagcggcccg cggctgacgg ccagatctgt cctgaggggt cgtgggagcc cagcgctgc 180  
cttgagggaa atgaacactg aaaacaggat ttgggagcag tattggattg aca 233

<210> 771  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 771  
 tggcagtgc aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60  
 tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgagag 120  
 ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180  
 agaagggccg gcggattcgg gaactgactg ctgtagtcca gaagagggtt ggctttccag 240  
 agggcagtgt agctttatgc tgaaaagggtg g 271

<210> 772  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 351, 374, 412, 461, 484, 487, 504, 524, 528  
 <223> n = A,T,C or G

<400> 772  
 ccatggaagc ctcagggcac agggcaggct ggtggatgtt ttggtcccaa gcccctttct 60  
 gatcacaggc aggtcaatta agcctctggg cctggctgtc ctctcctgga cgtggagtgt 120  
 aagtccaca ctacacaagg ctgtgcagct tcacagagat agtgcttggt atgcttatcc 180  
 ctaacaagag gaccttgaac ttggagaatt ataggaagac taggtctgtg cccttaaatt 240  
 gatcattctt tccatcctga ctaagcacgg gtgagccagt ttgtgcagag gtctgtgtgt 300  
 agatgggacc atggaggaaa agagaagctt ccctttgcat ggtctcctta naaccattt 360  
 tgtaccggac ccanaaggat gtatggaccc aaagcacatc cctcttgga anggotggcc 420  
 ccagtcttcc taatgcaacc tgcccggcgg gcgcttcaaa nggcgaattt cacacacttg 480  
 cggncgntac taatgggatc ccantcgggt accaaacttg gcgnaaanat ggg 533

<210> 773  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 773  
 ttctgaagtt gccatcagtt ttactaatct tctgtgaaat gcatagatat gcgcatgttc 60  
 aactttttat tgtggtctta taattaaatg taaaattgaa aattcatttg ctgtttcaaa 120  
 gtgtgatata ttccacaata gcctttttat agtcagtaat tcagaataat caagttcata 180  
 tggataaatg catttttatt tcctatttct ttagggagtg ctacaaatgt ttgtcactta 240  
 aatttcaagt ttctgtttta atagttaact gactatagat tgttttctat gccatgtatg 300  
 tgccacttct gagagtagta aatgactctt tgctacattt t 341

<210> 774  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 151, 167, 168, 171, 178, 185

<223> n = A,T,C or G

<400> 774

```

aaaaatgttt tgtagggaaa ccctttaatg ctttcatttt tattcaaaat cagtccagct 60
gctagtcagc gggcagcagc tacaatacca agttctggca gttgcagtac tagatattgt 120
gcctgcaagt cataaaaaaa aaaaaaaaaa naaaaaaatt gaaaaanngc ntttcccntt 180
aaaanaaaaa aat 193

```

<210> 775

<211> 210

<212> DNA

<213> Homo sapiens

<400> 775

```

ctctagtgtc gtgaaaaaaaa aatgctgaac attgcatata acttatattg taagaaatac 60
tgtacaatga ctttatttgc tctgggtagc tgtaaggcat gaaggatgcc aagaagttaa 120
aggaatatgg gagaaatagt gtggaaatta agaagaaact aggtctgata ttcaaattgga 180
caaactgcca gttttgtttc ctttcactgg 210

```

<210> 776

<211> 161

<212> DNA

<213> Homo sapiens

<400> 776

```

ctgctcctgc tgctgctgca gccccagcta aggttgaagc caaggaagag tcggaggagt 60
cggacgagga tatgggattt ggtctctttg actaatcacc aaaaagcaac caacttagcc 120
agttttatatt gcaaaacaag gaaataaagg cttacttctt t 161

```

<210> 777

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 362, 376, 414, 432, 435, 445, 447, 451

<223> n = A,T,C or G

<400> 777

```

tggagtctga agtagctata aagcagctat aaaacagaaa tacatgcata gctgcagaaa 60
ccatgacagg tagaggactt ttcttttggg ttgtttttgt ttgtttttgt ttgttttttg 120
gttttacaga gaagagattt ttattacaaa gaaaaaaatt ccagtgaatt gtgcagaaat 180
gctgggtttt acaccatcct aaagaaaaac ttacaagggt tgttttggag tagaaaaaag 240
gttataaagt tggaatctta aattgtaaaa ttaaccattg agtgtcaaag ttctaaaagc 300
agaactcatt ttgtgcaatg aacataagga aagactactg tatagggtttt ttttttttct 360
cnttttcttc ggccgnaacc accctaagggt cgaattccac acacttggcg cccntactag 420
tggatccaac tnggnccaac ttgngnnaat natggcata 459

```

<210> 778

<211> 288

<212> DNA

<213> Homo sapiens

```

<400> 778
cagagagcca ttttgtgaat ggattggatt atttaataac attaccttac tgtggaggaa 60
ggattgtaaa aaaaaaatgcc tttgagacag tttcttagct ttttaattgt tgtttctttc 120
tagtgggtctt tgtaagagtg tagaagcatt ccttctttga taatgttaaa tttgtaagtt 180
tcagggtgaca tgtgaaacct tttttaagat ttttctcaaa gttttgaaaa gctattagcc 240
aggatcatgg tgtaataaaa cataacgttt ttcctttacc tgcccggg 288

```

```

<210> 779
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 406, 436, 447, 478, 488, 496
<223> n = A,T,C or G

```

```

<400> 779
aaatatctaa aacaatggcc cactgaagaa aggaacaatt aactctttaa ttaattcctt 60
aggataaata cccagaaatt taacagctag ggcagacttc taatacaata ccgaaagtcc 120
ttccaaaaac caagtgggtg ccaacttatg tcccttagca ttataacatt cttgagccaa 180
tagtgtaaaa atacgctgac aatttttatg gcaaacatta ctcaagggtat cttactttcc 240
acttattact aaagtaatta acccctaaat agatgctcct caacagtggg actacatcct 300
ggtaaacctt tcataagttg aaactatcaa gttgaaatgc atttagtacc ctgataaacc 360
tatcataaag ttgaaaattt gtaaattgaa ccagtgtaaa tcagangcca tcttacacct 420
cggccgcgac cacctnaggg cgaattncag caccttggcg gccgtactag tggatccnac 480
tcgtaccnac ttgggnaatc atggcata 508

```

```

<210> 780
<211> 569
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 369, 411, 472, 473, 513, 515, 522, 537, 539, 545, 548, 550,
555, 558, 565
<223> n = A,T,C or G

```

```

<400> 780
aaagcactca cataaatcca tttcacccaa aaaggaaaca taaagtgctt ctagcagtac 60
aagcacgggt ggcatggcct ttccaaaggt cttccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gtttttattt tctgagccat tagagatttt caaaatcact 180
ttgattttta aaaactcatc aaatgtgaat catggcgggg aagaccactg agctgatttc 240
tgataactaa gttatcactg aacataatth atcatatatg gctactggca tcatgaagac 300
cttgggatag ggaagactct tcatgagaaa tataaacatc acttgtgtag gaatcaccag 360
gtgtcctana gcagtttgac taaagacttc tagtgtttac tctcccacg nactcaacco 420
aagaccagag acaatggcaa ctctgaggt tacacagaac cagtgagtat gnnagctcac 480
ttagccatta atctaaatgt ataactggtg ctntntgctt anctatatct aaggttntnt 540
ctgtntntn aactncgngc gcagnatcc 569

```

```

<210> 781
<211> 391

```

<212> DNA  
<213> Homo sapiens

<400> 781  
gggctgaaga aatcactatt gtgtatatac tcaagtcttt ttatttttcc tcttttcata 60  
aatgctcttg gacattattg ggcttgcaga gtcccttat tctggggatt acaatgcttt 120  
tatcgtttca ggcttcattt tagcttcaaa acaagctggg cacactgtta aatcatgatt 180  
ttgcagaacc tttggttttg gacagtttca tttttttgga tttgggatag attacatagg 240  
agtatggagt atgctgtaaa taaaaataca agctagtgtt ttgtcttagt agttttaaga 300  
aattaaagca aacaaattta agttttcttg tattgaaaat aacctatgat tgtatgtttt 360  
gcattcctag aagtaggtta actgtgtttt t 391

<210> 782  
<211> 195  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 9, 12, 19, 35, 36, 40, 47, 146, 176, 179, 184, 186, 189  
<223> n = A,T,C or G

<400> 782  
gggaattgnc tnaatcttnt acggcgccctg tatgnnttgn gaattcncct ttcgtggcgc 60  
ggccaggcta accactcaat ccatttgtgc ttttgttttt tttatggtgc ttaaagtaaa 120  
aaacccatcc ttttgcaagg cattcnttgt tggtagctta ggcattttta ttttgnctna 180  
aaantntgna aaaaa 195

<210> 783  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 174, 274, 282, 283, 295, 296, 305, 311, 312, 329, 333  
<223> n = A,T,C or G

<400> 783  
ccacagggtc cactgaaacg gggaggggat ggcagcttgt aatgtgggct tttgccacaa 60  
cccccttctg acaggggaagg ccttagattg agggccccacc tcccatggtg atggggagct 120  
cagaatgggg tccagggaga atttggttag ggggaggtgc tagggaggcc tgancagagg 180  
gcacccctcg agtgggggtcc cgagggctgc aaagtcttca gtacttgtcc ctacagcaa 240  
acctgcccgg cggccgccca agggcgaatt ccanacactt gnnggccggt actannggat 300  
ccaanctcgg nnccaacttg gcgtaatcnt ggnata 336

<210> 784  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 784  
attgatgacc acagagctgg gaaaattggt gtgaacctca caggcaggct aaacaagtgt 60  
ggggtgatca gcccagatt tgacgtgcaa ctcaaagacc tggaaaaatg gcagaataat 120

ctgcttccat cccgccagtt tggtttcatt gtactgacaa cctcag 166

<210> 785  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<400> 785  
 ttggcatga ttcttagtca tacttgaact tgtctcattc cacctcttct cagagcaact 60  
 cttccttttg gaaaagagtt cttcagatca tagaccaaaa aagtcatacc ttcgaggtgg 120  
 tagcagtaga ttccaggagg agaagggtac ttgctaggtg tcctgggtca gtggcggtgc 180  
 aaactggttt cctcag 196

<210> 786  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 49, 74, 75, 107, 108, 117, 128, 140  
 <223> n = A,T,C or G

<400> 786  
 gccttaacct ggcctggatg cctaccaggc cccaccaaca cctaactgnt ggatattata 60  
 atggcatggt ggtnttctgg aaccttccca ctaactcacc cctgcanngg atacggnctc 120  
 ctgatggntc cttaaagctn taccctt 148

<210> 787  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 787  
 aaacagacct gtagtgactg aggtgtggtt taggacttca aggttggatg gcccaggcgg 60  
 gaaacagagt ggagagctca gtaggcgctc tgagactgct gctggcggtg gccaccgagg 120  
 cgcagttagc cctcggtttt gcggtagcgc tccttctggt ctcgacctgc ccggggggcc 179

<210> 788  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 330, 352, 389, 450, 454, 461, 474, 482, 487, 491, 524, 537,  
 557, 567  
 <223> n = A,T,C or G

<400> 788  
 ccagcttctg gctgtgtttt cacatgccat atgacatcat ttaaccttaa tta'ctttctt 60  
 actccaaatt caatcacact aggagttagg gtttcaacat acgaattcgt gggggacaca 120  
 attcagtcca cagcatcctg taatgttcta tgacgtaagc aagaagtcag atgtgtttgc 180  
 cttctactcc tgcatttctc gagaaggaat cccagtccca gactcttgaa ctctaatttc 240

```

actgaataga agcaattaac taggctctga ggcagaggaa gaaagaggac ctgggatgaa 300
gactgaaagg tcaactgatgg ctgggggagan ggaagaaagt ctgaaaggag angctcaggc 360
aaggcagatc aattcggata ggcacttana gaaaaatctt gcccctgccc aagaactgat 420
gcatctaacc taaaacctct tttccagtan aagntgtctg nccatctttc accnctaata 480
gnaaacnagg nagatgcctt ttcctgcccc gcggcgtcaa agngaatcc acccccncgc 540
gtctagggat cactcgncac tgggganatg                                     570

```

```

<210> 789
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 789
cggttggtc aggagcttga caagccact gtggagtggg gagcaggaga ggaaggggta 60
ctggttagtc tcctaggggc tgagtggagt attgttgccc tgcctataat ccctaaaggc 120
ggagggtaga gcggaggggt agcagtcacc ttcc                                     154

```

```

<210> 790
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<400> 790
ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacg                                     129

```

```

<210> 791
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<400> 791
ctgcttaagc tggcccacaa gtacagacca gagacaaagc aagagaagaa gcagagactg 60
ttggcccggg ccgagaagaa ggctgctggc aaaggggacg tcccaacgaa gagaccacct 120
gtccttcgag caggagttaa caccgtcacc accttgggtg agaacaagaa agctcag   177

```

```

<210> 792
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 792
ccagtttggg gtcggtttct attccgcctt ccttgttagc gataagggtta ttgtcacttc 60
aaaacacaac aacgataccc agcacatctg ggagtctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattacctcg aattggatac aattaaatat ctcgtcaaaa aatattcaca 240
gttcataaac tttcctatit atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaagcagcca aagaagagaa agaagaatct gatgatgaag ctgcagtaga 360
gaaaaa                                     366

```

```

<210> 793
<211> 289
<212> DNA

```

<213> Homo sapiens

<400> 793

```
ctgtttgcagc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
ggtttttaaag aaattacata aaaggcctta gtagtcttag aaatgttttg gaggccttta 120
gtgaaatgtc atttcaggcc tagtgggtccg aatctgccct cctgcgggtcc atgcgatgcc 180
ctgctgaggt ctgtgaacac agtcatgag aaaccacgga aatggcccga atgtgcttac 240
gtgtgaaaat actgatactg tgattcaaca gagctgtttt tcaagccag 289
```

<210> 794

<211> 311

<212> DNA

<213> Homo sapiens

<400> 794

```
caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60
tcttaaaatt gaaggtgttt acgcccgaga tgaaacagaa ttctatttgg gcaagagatg 120
cgcttatgta tataaagcaa agaacaacac agtcactcct ggcggcaaac caaacaaaac 180
cagagtcac tggggaaaag taactcgggc ccatggaaac agtggcatgg ttcgtgccaa 240
attccgaagc aatcttctg ctaaggccat tggacacaga atccgagtga tgctgtaccc 300
ctcaaggatt t 311
```

<210> 795

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 358, 368, 396, 408, 409, 443, 461, 468, 481, 521, 540, 541, 542

<223> n = A,T,C or G

<400> 795

```
ctgaaaaatg acaggctagg gacatagaat attgtgaact ttatactgtt agaatcactg 60
tccattaaat gatcactagc taatgggtcac taaatttaca aattaaggaa attatatata 120
gaatactgca aaaacacagt aaaaagactg aagttcgccc atttctgctc aggaagtctc 180
ttcactccta agcttcatat gttgtccttc tggcttcaaa atttctgcta ttattactgt 240
ttttcctcct tttgatcttc cttttgttcc ccagtgccag aacttccaga gccttctcgc 300
tcagatgcca tctttttgta tgccatttcg agcagcttca gtgatgctg ctgaaaanaa 360
gatgctgnct gtctaataat ttctccgggt cgctgncttt tctagccnng aagctccctc 420
attttggaat tctcttcttt tanctgggtgc actcatcaca ngggaatngg ccctggaatc 480
ntccatcttg ggtctggggc gaacctgccc ggcggccgctc naaggggaat tccccccctn 540
nngccgtcct a 551
```

<210> 796

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 176, 183, 184, 199

<223> n = A,T,C or G



&lt;400&gt; 796

```

ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaanaaaa 180
acnnaaactt ttcggggant aaaa                                     204

```

&lt;210&gt; 797

&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 797

```

aggtaaagtg aatgtgatgt tggagagagt ggggaaggaaa agtaatggca agtatgcttg 60
ctcattacca ggcactgtgc taagctctgt gaatacacag ataagtaaaa tccacgctgt 120
ttctcaaaga actcacaatc tg                                     142

```

&lt;210&gt; 798

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 392, 430, 436, 439, 443

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 798

```

ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa gacatggaat atgccctgca 120
taaactggat gacaccaaatt tccgctctca tgaggggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acggtctcgg tctgggtcaa ggggccgtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttt tttatttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttaatgtctt angaaatttt ttttaatttt tttttttacc 420
ctgccccggn cggcctcna aanggggaaa ttccc                                     455

```

&lt;210&gt; 799

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 400, 414, 424

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 799

```

ctgaagcaag ggtgctgggg ccccatggcc ttcagccctg gctgagcaac tgggctgtag 60
ggcagggcca ctctctgagg tcaggtcttg gtaggtgcct gcattctgtct gccttctggc 120
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa aagttcacag tcaaatgggg 180
aggggtatct ttcattcagg agaccccagg cctggagggc tgcaacatac ctcaatcctg 240
tcccaggcgg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 300
aaatgtgtgt acagtgtgta taaaccttct tcttcttttt ttttttttac ctcccggccc 360

```

ccctcaaaag gggaattcca cacactgggg gcggtactan ggatccaact cggnccaact 420  
 tggngaaaaa tgg 433

<210> 800  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 426, 438, 447, 457, 469, 496  
 <223> n = A,T,C or G

<400> 800  
 ctggctttgc agtcatgcat aaaggtgagg acacttaatt caaggcatct gggggctggt 60  
 gtcaccgcac atgaagagta gtgcccacga gtttccttgg gaaaaggaa 120  
 aaacaaatct ttctcctcaa tagaattgtc gcaggaaaga gccatgacat ttatttcact 180  
 gtttaatcat cgggtggcag gatttctttg aagtagaatc tggtagtacc cctcccaatc 240  
 tttgctggat cacttctaaa tggatgaatat actctgtcaa ggaatgttct ggatcttgag 300  
 aagcagtcag ggatctttct aatcttgaat ttggggatgg agtggctctt ccccccgtg 360  
 tggggaggct gcttgctgcc atctgccggc ctctggcagg gtccctgggtg tggacctgcc 420  
 ccggcnggcc ctcgaaangg cgaaatncac acacttngcg gccgtctant ggatccaact 480  
 cggaccacc tggcgnaact ggcata 506

<210> 801  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 801  
 cggcaagtcc ctgtactatt atatccagca agacactaag ggcgactacc agaaagcgt 60  
 gctgtacctg tgtggtggag atgactgaag cccgacacgg cctgagcgtc cagaaatggt 120  
 gctcaccatg cttccagcta acaggtctag aaaaccagct tgcgaataac agtccccgtg 180  
 g 181

<210> 802  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 802  
 ctgcaggcta ttacctgaaa aagacaaggc agttatatta ggttctcgtg taaatatgaa 60  
 tataaatca agtcaagctc ctgacaaatt atacatcaag gatgtatat 109

<210> 803  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 362  
 <223> n = A,T,C or G

&lt;400&gt; 803

```

ccaggctggg gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccagggtta tttgaacatt ttttaagtact gtattttctc 120
tattgtaata ttgactgtca tctctgtgca gggttttttag tgggttgctct aggttgaaac 180
cctttgaatt cttaggtatc taagagtgag catttttcttt ttttgactgc tatactctca 240
ccagttgccca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaacttt acctgccggg cggg                                     384

```

&lt;210&gt; 804

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 804

```

agagctgacc gctgaggacc tgacgcagat gggaatcaca ctgcccgggc accagaagcg 60
cattctttgc agtattcagg gattcaagga ctgatccctc ctctcacccc atgcccaatc 120
agggtgcaag gagcaaggac ggggccaaagg tcgctcatgg tcactccctg cgcccccttc 180
cacaacctgc cagactaggc tatcggtgct gcttctgccc actttcagga gaacctgct 240
ctgcacccca gaaaacctct ttgtttt                                     267

```

&lt;210&gt; 805

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 805

```

aaaatcccca tgcctgtggc tgcgcttcct atttctaggg ctgggaagca ctcccttgc 60
caaggggtca cttacagaac aaagaatctt ttgggggaaa ctctctctaa aacctctca 120
tatatagaca gctttgactg gaggggtccat tttcttcca ggatgggtgtt actgcagttg 180
aaagggcaat atgaagttac tttcttaatg tgacctagca ataggcatag ctacgtggca 240
ctatattctg g                                     251

```

&lt;210&gt; 806

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 806

```

gcctttttat ccaaccctaa gattacttca caaatatcct tttatcctgc cacaccagca 60
ggttgataaa ggagccatca aatttgact cagtggagca aatatcatgt gtccaggctt 120
aacttctcct ggagctaagc ttaccctgc tgcagtagat accattgttg ctatcatggc 180
agaaggaaaa cagcatgctc tatgtgttgg agtcatgaag atgtctgcag aagacattga 240
gaaagtcaac aaaggaattg gcattgaaaa tatccattat tt                                     282

```

&lt;210&gt; 807

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 409, 430, 441, 453, 457, 479

&lt;223&gt; n = A,T,C or G

```

<400> 807
ccactcactc tcggacgtag accctgggtgc acacaacgtc atccgccgtc atgggtcagga 60
tcagttcccc atcgttgggtc agttctcttg tccacgaggt cttggggccc tctcccttca 120
ggagcttctg ctcacagacc attttattct cactctccca tttcaccagg ctcttacagg 180
gcctcccatc cacagtctgc tcctcaaact cctccccaac cttgaagtta atctctgtgg 240
tgcgcacggt ggtggagggt ttgatgtaga aagtgtctcc ctctgtttg atctccactg 300
ctggcttggg cgctgcagcc acagcaatct tcctcagcat cacattcacc cccagcactt 360
tgagcaattc tcgaagtttt ccgatcggat gattttccag ttgccagana aattgggcat 420
ggtggcggnn cgggaagcgg nccccgtaga ctncatangt ggagcacttg gacactgtnt 480
ttaatt
487

```

```

<210> 808
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32
<223> n = A,T,C or G

```

```

<400> 808
catctacaac cctgaagtgc ttgatatac anaggaaact ctgcattctc gcttcctgga 60
gggtgtccgc aatgttgcca gtgtctgtct gcagattggc taccctaactg ttgcatcagt 120
acccattct atcatcaacg ggtacaaacg agtctggcc ttgtctgtgg agacggatta 180
caccttccca cttgctgaaa aggtcaaggc cttcttggt gatccatctg cctttgtggc 240
tgctgcccct gtggctgctg ccaccacag
269

```

```

<210> 809
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<400> 809
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgcct ttgtagggtc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gtcttttttg cttccttagc agccctgata gcttgttctc 180
gttgagcctt tetaacttca gggtttctgat tcctcttgg
219

```

```

<210> 810
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 315, 317, 336, 355
<223> n = A,T,C or G

```

```

<400> 810
ctgacacagt cagaactcag cagctaccat agaaaagaga agcagctcta cctgggcatg 60
tttggttaac aaagaagaaa gatgctcctc cagttgaact taggtggacc attaacatg 120
catgaaggag aaatctgagc ctcagcaaga gaaattaacc ctatacctct gaccaggtg 180

```

```

gatttttgtt tctagttctg cacaaacttc actacttaga cagtctgagt ctttttctgt 240
ctatccatct gtttatttct atacctttca atacatgtta ttgttgacaga tatttggtt 300
gagaaatata atcananaac ataaaaaaaa aaaaancctg cccgggggcgc cccgntcgaa 360

```

```

<210> 811
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39, 132, 178, 179, 190, 199, 218
<223> n = A,T,C or G

```

```

<400> 811
ctgaaacagc atcaagtttt caaagaatta agagcctcng ggaggggacc cgctttcaag 60
atactgaagg tgacatcaag agtctcctcc taacaggacc aactctatct aaaagttgct 120
tacgagtaac tngaattctg tgtaatagcc tacatctcac agaccatcag ggatgagnna 180
gaacactgtn gttgatggnc cgggatgaag agagggtnaa caaaa 225

```

```

<210> 812
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<400> 812
ggaaaatgtc aacctttgta agaaaaccaa aataaaaatt gaaaaataaa aaccataaac 60
atttgcacca cttgtggctt ttgaatatct tccacagagg gaagtttaaa acccaaactt 120
ccaaagggtt aaactacctc aaaacacttt cccatgagtg tgatccacat tgtaggtgc 180
tgacctagac agagatgaac tgaggtcctt gttttgtttc gttcataata caaagggtgc 240
aattaatagt atttcagata cttgaagaat gttgatggtg ctagaagaat ttgagaagaa 300
atactcctgt attgagttgt atcgtgtggg tgtatttttt 340

```

```

<210> 813
<211> 249
<212> DNA
<213> Homo sapiens

```

```

<400> 813
attttgtaac tgtaaagatg aatgtcagtt gttatttatt gaaatgattt cacagtgtgt 60
ggtcaacatt tctcatgttg aagctttaag aactaaaatg ttctaaatat cccttggaca 120
ttttatgtct ttcttgtaag gcatactgcc ttgtttaatg ttaattatgc agtgtttccc 180
tctgtgttag agcagagagg ttlogatatt tattgatgtt ttcacaaaga acaggaaaat 240
aaaatattt 249

```

```

<210> 814
<211> 615
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 519, 528, 531, 564, 587, 590, 607

```

<223> n = A,T,C or G

<400> 814

```
ccagaagcag gtattcaaag cagagaacaa tccctgggtg accccattg cagaccagtt 60
ccagcttggc gtgtcccatg tttttgagta tatccgttct gagacataca aatacctcta 120
cggcagacac atgcaggcca acccagaacc accgaagaag aataatgaca aatcgaaaaa 180
gatcagccgg aaacccttgg cagccaagaa cagataagga agggattggc atcggctggc 240
cttccagcac cttctctctc caacacttca ttctctcttg ccctgtctct caaataaacc 300
caatgctgcg tgtgaggcct tttttatttt tcttttcaact ctctttctaa tgctttccac 360
cttacctttt agattctttt gctaggtggg agattgttat aaggctctta aaccatttcc 420
atttgttctt taacattacc aaaagcaggg gaacaaaagc tcttattcaa ctgcgaaatt 480
ccataatggg ctctggcttt cttgaataaa aatcacaang gtgctttntt nttaaaagaa 540
taattaaaat ctgtaaccct tttncctgcc cggggggccc ctttaanggn gaaattcagc 600
acccttnggg gcggtt                                     615
```

<210> 815

<211> 309

<212> DNA

<213> Homo sapiens

<400> 815

```
ccactacgat aagcaggtag ctgggttttg tagtgagctt gtccttaag ttacaggaac 60
tctccttata atagacactt catttttcta gtccatccct catgaaaaat gactgaccac 120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattgggtacc 180
agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcac ttacaagggt 240
tgtctatttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga 300
tctctttca                                     309
```

<210> 816

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 257

<223> n = A,T,C or G

<400> 816

```
ccctcctcgg cttccttctc ctctgcaatg accttcaaca accggccacc agatgtcagc 60
cctactcacc tgagcgtca gcttcaagaa attactggaa ggcttccact aggggtccacc 120
aggagttctc ccaccacctc accagtttcc aggtggttaag caccaggacg ccctcgaggt 180
tgctctggga tccccccaca gcccttggtc agtctgccct tgtcactggt ctgaggtcat 240
taaaattaca ttgaggntcc gaaaaaaaaa acctgcccgg cggc                                     284
```

<210> 817

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498, 507

<223> n = A,T,C or G

<400> 817

```
ccaatcaata agggactttc ctctctgcc ttaagagcaa cgatgctgac cacatactct 60
gtgcctggag tgagggttggg gaggggtgatg gaattccgag agtggggcac ccgatcttct 120
cgagggtctcc cactgaagtg ctcgggatga tggcgatcc ttagccagt gatggtggct 180
cgaggagcaa tccagtgcac agtaaaagag ttggcagtaa tatcagaaaa gtcaatgcc 240
gttggggaat caagacctgt ttttcccacc cgggggagga agagaaaaaa aaaagaaaag 300
acccccccag tttaggaagt gaggaagggtg taggggaaat taacgtacat ccaacatttc 360
gttccttgtc tcatcaatcc atgatttgcc ntaaaccaaa nagtaanaag tctgatttct 420
aanctacata tgaattttac cttcggccgc gacccnctt angggcgaat tccaccnccc 480
tngcggccgg tncctanngg atcccanctc gg 512
```

<210> 818

<211> 214

<212> DNA

<213> Homo sapiens

<400> 818

```
ctgagattca agtgcctgac ctggaagccg atctccagga gctatgtcag acaaagactg 60
gggatggatg tgaagggtggg actgatgtca aggggaagat tctacccaaa gcagagcact 120
ttaaagtgcc agaagcagggt gaagggaat cacagggtta aaggaagata agctgaaaca 180
acacaaactg tttttatatt agatatttta cttt 214
```

<210> 819

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 130, 326, 344, 382, 396, 432, 450, 457, 464, 465, 491, 499, 503, 509, 515

<223> n = A,T,C or G

<400> 819

```
aaaacccaaa cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgacctg gacagagatg aactgagggtc cttgttttgt tttgttcata 120
atacaaagg gctaattaat agtattttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaataactcc tgtattgagt tgtatcgtgt ggtgtatttt ttaaaaaatt 240
tgatttagca ttcataatttt ccatcttatt cccaattaaa agtatgcaga ttatttgccc 300
aaagtgtgcc tcttcttcag attcancatt tgttctttgc cagnctcatt ttcattcttct 360
tcatgggtca cagaaacttt gnttcttggg caagcngaaa aataaattgt cctattttta 420
ttttgagaag gntacctcgg gccgcgccn ctaaggngaa ttcnnccact gggggcgttc 480
taggggatcc nactccggnc cancttgngg gaatntgg 518
```

<210> 820

<211> 375

<212> DNA

<213> Homo sapiens

<400> 820

```
ctccaggcgc cctcgccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tggtgtagggt ggtagggaca cagatgaccg acctgggtcac tctctctgcc 120
```

```

aacattcagt ctggtatgtg aggcgtgctg gaagcaagaa ctcctggagc tacagggaca 180
gggagccatc attcctgcct gggaaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaac tgtagaagag aatcaagaag 360
aaaaataaaa atcag 375

```

```

<210> 821
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 821
gccccaaagt gtctctttct tcagattcag catttggtct ttgccagtct catTTTcatc 60
ttcttccatg gttccacaga agctttgttt cttgggcaag cagaaaaatt aaattgtacc 120
tattttgtat atgtgagatg ttt 143

```

```

<210> 822
<211> 182
<212> DNA
<213> Homo sapiens

```

```

<400> 822
aaaaaaggac cgttgagaaa ggggtggagt ataaggaaac cgcaagtgag agggagtact 60
ctagtggggg ggggggtgccg atacacagct aggcttaagg ggccaggga ggaagtgggtg 120
ccagaatcct agagatagtc atgattacgc aagagttgcc cggcaggaga gtccatagca 180
ac 182

```

```

<210> 823
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 175, 280, 288
<223> n = A,T,C or G

```

```

<400> 823
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcc acagggctcc 120
aggagagcttg gcttctgtag aagtcttaag gaagcgttac gaactccacg gcgngggggc 180
gctaactagc agggaccctt gcaagtgttg gtcgggggcc tcgagctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gcacctgccg ggcggcgctn gaaaggnca attcaccact 300

```

```

<210> 824
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 370, 422, 511, 530, 541, 551, 554, 557, 565, 566, 576, 581,
588, 603, 604, 610

```



<223> n = A,T,C or G

<400> 824

```

aaaccaacttt tgtgattttt attgatgggc gacaacttta tactcctaga tatcactaaa 60
ctgtgtacaa ttagggagcg agcattagag aagagcagac agcagaatta aacagagcag 120
actgaaggag agatcttcat tatttgccca tttttcatta tgtgtacaca gaagcatgaa 180
tgcaatttga aatcttttaa tggcaataaa gttacaatca cccatctatg tagactaaca 240
ttttaactcc aaatatattga tctgcaatgt gtacgtaagc agtttctctc agtacaatta 300
ttaaaatttt tcctgttagg aaccagcaac ttatttttta tgtttatttt tcttttgaag 360
taagaactan gttcttcttt gataactggc tcatttttat catttatcaa aaactaaagg 420
gnagggaaga aaaagtgtga tggattaaaa aatttctttt ttaaggaaag ataaaattca 480
ttttcacaaa ttaccaatg gttgtgctgg ngcagggatt atttttctan ctggcccggg 540
nggggcgctc naangngaa attcncccc tttgngggcg nttctagngg gatccagctt 600
ggnncccaan ttgggggaat aaagggg 627

```

<210> 825

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 356, 411, 452, 459, 469, 481, 490

<223> n = A,T,C or G

<400> 825

```

aaatggtatc tcttagtaac ttgcactcgt taaagaaaca cggagctggg ccatcgctcag 60
aactaagtca gggaaggaga tggatgagaa ggccagaatc attcctagta catttgctaa 120
cactttattg agaaattgac catgaattaa tggactcatc ttaatttctt ctaagtccat 180
atatagatag atatctatct gtacagattt ctatttatcc atagataggt atctatacat 240
acacatctca agtgcattct tccccactct cattaatcca tcatgttcct aaatttttgt 300
aatcttactg taaaaaaaaa tgcactgaac ttcaaaaaca aacaaaaaac aacacnacaa 360
aaacaagtcc aactgatata tcctatatct gttaaaattc aaaagtgaac naagctttta 420
ctggcctcgg ccgcaccccc taaggcaatt cnaccctng ggcgtctant gatccactcg 480
naccactggn gatatgctac t 501

```

<210> 826

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 493, 514, 526, 573, 579, 590, 600, 610, 612, 626, 631, 641, 643, 648, 657, 661, 667, 669

<223> n = A,T,C or G

<400> 826

```

aaaatttttag aagttaagac ttacgaccac ctcaagtatat gccattccta atagaaggag 60
gtatgacggg ttcaaactcg tgcagagctg cattttcatt tacaagtctc tgtaggcact 120
ttagaagtga agcttggctt caaaatacaa acactggggg ctttggctca acctttta 180
ataaaaaaat tcaactgatgt acaaaaattt gaaagtgtga caatgacaat tatgaaatcc 240
tgtgactgaa agtccccctg agtgcaactt gtggtgcaca tgcgcccgcc cacacaaact 300
ctggcatgga aacataaact aatgcaaacc agtgctaccc agaagcacca acacgtgtgt 360

```

```

tctccattcc accaatcaca gaccagtatc tactccaaac atccagtaac gaaaactatg 420
gcatcttccc aggaacagca aggcaggctt cttactcacg atgaaccagc acgaataaac 480
ccccaaaaa ganaactgct acttaaatta gganagtcac tctgangatc ggcccaattc 540
ccatttagga acaaatTTTT ctgaatttca aantcgggna ctttagaaan ttttttcttn 600
tttctaaaan anacctcggc gggacncctt nggggaatcc nncctgngg cgtctanggt 660
ncaatngnc cccctgggg                                     679

```

```

<210> 827
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 381, 407, 423, 434
<223> n = A,T,C or G

```

```

<400> 827
ctgattaatc attgtngatg actgcagttt tccccatcct tcccgattta catctgttca 60
ggcccaattca aatatggtga gtaaataaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggttctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca catttttttt 360
acctcggccg cgaccacgct nagggcgaat tccagccact tggcggncgt tctagtggat 420
ccnactcgga ccancctggc gtaatcatgg cta                                     453

```

```

<210> 828
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 364, 408, 409, 439, 444, 472, 495, 512, 514, 530, 551
<223> n = A,T,C or G

```

```

<400> 828
ccaggatctt tggagccccg ccacctcag agagcatgga gggaccttcc cttgtcaggg 60
actcctgagg gcttgggtgg ccccttccat ttcttgccc tgctctgctt cctgtctacc 120
tcatactaga atgatcgtga ctaccgggc agacatttta ctgtgtttct cagaccaagt 180
gtctactgat ggcccaaaca tggagttttg tgggcttcca ctgtcccccac tccgaactcc 240
tgtatgtgcc tggctgagtc acctaatcca tactgtcata ctagcataat tatgactatt 300
gcatatgctt gttttgtttg actcttggt gctacgtctt gtaggggccc tgaaaatcca 360
cttntgccc cagaaagggc tttatttcca ctaggaggat atgcctannc aggcattctt 420
ctctgttaca atcacaggng agnggatta acatcttttt attaaaaaca tnattaatgg 480
gggactgggt ggganaaact ttctaataat tntnaaaaaa aaattttttt gctttactgc 540
cggcggcctc naagggaat cc                                     562

```

```

<210> 829
<211> 263
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 21, 91  
 <223> n = A,T,C or G

<400> 829  
 ccttggttac acaactccag naaccgggcc ccaaattccac tatctgtgca atgcagcaca 60  
 tgcgcacaat gctattaaac tgctcttgga naaattccag gtttgtccgg atgatgtcca 120  
 cacctggctg aacctgcacc aaggaaaaac tctcccgcac atactcttct agccccgtga 180  
 tcaatgtgtg ggttgccatc cggatgttac tgggtgtggg ctcttgacca cccaggtagt 240  
 gcttggtgga agaaggatcg caa 263

<210> 830  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 181, 184, 191, 222, 237, 246, 250, 268, 270, 296  
 <223> n = A,T,C or G

<400> 830  
 gaagctgatg ggggtcaaag aaggtgaatt caaggctgaa ggaaatagca aattcaccta 60  
 cacagtctctg gaggatgggt gcacgaaaca cactggggaa tggagcaaaa cagtctttga 120  
 atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg 180  
 nggncctgat naaaaattgg gtggcccttg gcctctgttt gntttttata aaccaanctc 240  
 tatctnaaan cccaacaaaa aaaattcn cn ccatatgggc cctctctgta ataantttga 300  
 c 301

<210> 831  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 262, 270, 309, 349, 362, 372, 425  
 <223> n = A,T,C or G

<400> 831  
 aaataggtag aaactttatt tcctaaatcc ctccctggac ctctttcaga aggcagttca 60  
 aatgcactgt aggtagaagg cagaggaagc cttattttag caatgcagaa cttggcagag 120  
 gccccacatc tgtcattctt cacagcagtc cttcccaca tgctagaggg aaggggaagc 180  
 atgataggga ggtccacttt tgtggactca aaccttgatg gggatgttga gcagtcacaa 240  
 cgcttctcag aaaaggcaca ancacccan acattcagcc cggaaaacaa gctggctcac 300  
 aggettccna tcgggtgttc aaccttcttc ggaacaaggc ccagactgnc cggcgccgt 360  
 cnaaggcgaa tncaccactg gcgcctgcta tggatccact cgtccaactt gcgaatatgg 420  
 catanttttc 430

<210> 832  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

```

<400> 832
caacagtcgc tccctggacc tggacggcat catcgctgag gccaaaggcgc agtatgagga 60
gatggccaaa tgcagccggg ctgaggctga agcctggtag cagaccaagt ttgagaccct 120
ccaggcccag gctgggaagc atggggagca cctccggaat acccggaatg agatttcaga 180
gatgaaccgg gccatccaga ggctgcaggc tgagatcgaa aacatcaaga accagcgtgc 240
caagttggag gccgccattg ccgaggctga ggagcgtggg gagctggcgc tcaaggatgc 300
tcgtgccaaag caggaggagc tggaagcccg ccctgcagcg ggccaagcag gatatggcac 360
ggcagacctg ccc
373

```

```

<210> 833
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 356, 357, 358
<223> n = A,T,C or G

```

```

<400> 833
gcaagacagt gattgaatac aaaaccacca agacctcccg cctgcccata atcgatgtgg 60
cccccttggg cgttggtgcc ccagaccagg aattcggttt cgacgttggc cctgtctgct 120
tcctgtaaac tccctccata ccaacctggc tccctccac ccaaccaact ttccccccaa 180
cccgaaaca gacaagcaac ccaaactgaa ccccccaaa agccaaaaaa tgggagacaa 240
tttcacatgg actttggaaa atattttttt cctttgcatt catctctcaa acttagtttt 300
tatctttgac caaccgaac atgacccaaa accaaaagtg cattcaacct taccnnnaa 360
aaaaaa
366

```

```

<210> 834
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 424, 437, 473, 483, 484, 489, 496, 498, 502, 514
<223> n = A,T,C or G

```

```

<400> 834
aaatgttaat acaacaggat ttttttttct ttttgtaaga gaaagcaaat ctgtacaaaa 60
atactctggt tgcaagaaaa gctagggcac actggtcaac taagagtagt ttagctgttg 120
gaaaaataag agcatttaatt tttatctaaa aatatgtata aatccccctc aaatggtaat 180
gaatcataca cagtacatac taaaaatatt taaaatagag aatattcctc acagaggact 240
ttttcttta attactgcta aaaaaataat tacaaagtcc aaacaggcag agagatttag 300
cacactgatc acacgattct ccatcatcct ccacgcttgc tctgaagagg gtttaaaaag 360
tccagtttct cgttgatttc gctgctccat ttagccaagg ttggctggac ctgcccgggc 420
gccncttcga aagggcnaat tcccaccac tggcgggcgg ttactaatgg atnccaactc 480
cgnnccaant ttggngnaa tntgggcata actngttcct ggg
523

```

```

<210> 835
<211> 238
<212> DNA
<213> Homo sapiens

```

<400> 835  
 aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60  
 tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120  
 cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180  
 taaaaaaata gtatgctgat ttctataaca aagctttttt tcgtacaaaa atcaaata 238

<210> 836  
 <211> 671  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 17, 448, 459, 478, 480, 526, 535, 549, 560, 568, 569, 581,  
 588, 592, 593, 606, 609, 645, 652  
 <223> n = A,T,C or G

<400> 836  
 ccaactatgc ctctcanaac atcacctacc actgcaagaa cagcattgca tacatggatg 60  
 aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaattgat gttgaacttg 120  
 ttgctgaggg caacagcagg ttcaattaca ctgttcttgt agatggctgc tctaaaaaga 180  
 caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgctgcct 240  
 tccttgatat tgcaccttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300  
 gccagctctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360  
 aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt 420  
 cttctgcaca tctacttgct taaattgngg gcaaaagana aaaagaagga ttgatcanan 480  
 cattgggcat acagttcatt aacttcttcc cccttcccca aaattnaatt ttttnaacc 540  
 cttaccctnt atggaaaagn aaccttttng aaaccccaat naaattgnaa annaaacct 600  
 aacttncnc ttgggtttta attttccaaa ggaaattcct ccgnggggct tnaaagggaa 660  
 accccctggg g 671

<210> 837  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5, 15, 25, 33, 35, 40, 46, 51, 56, 63, 70, 79, 87, 94, 118,  
 120, 135, 165  
 <223> n = A,T,C or G

<400> 837  
 tacangaaca actgntacac attcnaagaa cangnattcn ctgcantctc ntgatntgac 60  
 ctnatgggan ggacaggana atgagancac tctnccacca cttttcctgc cttggatntn 120  
 tatgaggatt tgtgntctgt ctaattgggtt attcctatat catgncctac taaggtagct 180  
 gcttataggc catgaaaata aaacgccatt caactttttt ttgttaaagc taaaataatc 240  
 acatgatact tattcttttg aggattt 267

<210> 838  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 838  
 ctgtttccca gcaaagatca acctctgctg gtcaggaggg atgccttccct tgtcttggat 60  
 ctt 63

<210> 839  
 <211> 567  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 380, 389, 418, 429, 431, 436, 469, 499, 506, 507, 522, 525,  
 532, 540, 546, 553, 558  
 <223> n = A,T,C or G

<400> 839  
 ccaccaacag tttccagcc acatgctggg cctctaggt ctctccagcc cactctaagg 60  
 acccaagaaa tgcagccaca gtccatctct cttttttctc tccttccggg ggaccaaggt 120  
 accttctggg gcatacaaca tggcagcagg gcctcgggaa gaggggtagg aggaccgagc 180  
 agcattctct gtagagggaag acaggaaaagg agacctctt ggcgatgaat taatccttga 240  
 aggaaatgac attgagcttg tttcaaattc agcggctttg attcagcaag ccacaacagt 300  
 taaaaacaag gatatcagga aattttttgga tggatatctat gtctctgaaa aagggaactgt 360  
 tcaacaggct gatgaataan atctaagant taccttggct acagaaagaa aatgccanat 420  
 gaccttaana nctacnttgg gatatttacc ttgccccggg cgggccaang gcgaaatttc 480  
 cacacacttg gggggccgnt acttanngga atcccaactt tnggnacca anctttgggn 540  
 gaaaanattg ggnaatanct ttttccc 567

<210> 840  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 840  
 aaaggaatgg attttgagag aaaacaacgt gggcagaagt atggaataga aaataaatac 60  
 aaatgtaggc tattctgcta attgttttat aaccacgaca aactagtaca gagaatgcc 120  
 tgtacaaaac acaacaaagg ttcaaacatc gagatgttcc cttagcaagg ctgaaaattt 180  
 cagtctctgg tatttggaat ttaggctgca gtccttgttt ttggatggat cactgggtgt 240  
 gtggcacagt ccatgctttt aaccagattt gaacagaaga atgg 284

<210> 841  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 841  
 aaacctgatt tactagacct gggaattttc aacatggtct aattattttac tcaaagacat 60  
 agatgtgaaa attttaggca accttctaaa tctttttcac catggatgaa actataactt 120  
 aaagaataat acttagaagg gtttaattgga aatcagagtt tgaaataaaa cttggaccac 180  
 ttgtatata ctcttctcac ttgacatttt agctatataa tatgtacttt gagtataaca 240  
 tcaagcttta acaaatattt aaagacaaaa aaatcacgtc agtaaaatac taaaaggctc 300  
 atttttatat ttgtttttag tgtttttacct gcccgggcgc 340

<210> 842

<211> 539  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 363, 407, 418, 440, 514, 526, 528  
 <223> n = A,T,C or G

<400> 842  
 aaaaatgttt tcccggtgggt aattttctat tatatatattt catatgggca aagggaaaaa 60  
 atgataaatc ctctgtaatc acaaacccca atttcgtttt gtttattcag cttctaaaat 120  
 attgaacacc cagactttta attcaacctt taagaacctt atcatttatg tttcagtaga 180  
 tatcaaagta atccatgttt gtgtcaaatg atcatagaaa ataaatagaa gagacagtga 240  
 agcaagtaaa aagaaaagca ttgttttaat ttgtttgcat taattttttt catttgtcaa 300  
 aatgcttctt ttgttgccac agtaaagaac agtttttatt gttttgtaag taaaattacg 360  
 tancttattt tgtatgtaaa gattaatttc cataataaaa atattgnatg gttactgnga 420  
 tcttaatggg caggggtaan aaagtattta cctcggccgc gaacaccctt agggcgaaat 480  
 tccaccacac tggcggggcg gtactaatgg aatnccaact tcgggnancc aaactttgg 539

<210> 843  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 443, 459, 467, 545, 558, 572, 591, 596, 597, 603, 608, 613, 616  
 <223> n = A,T,C or G

<400> 843  
 atcagtagag aattcaggat agttttgttt aaattcttgc agattacatg tttttacagt 60  
 ggcctgctat tgaggaaagg tattcttcta tacaacttgc ttttaacctt gagaacattg 120  
 acagaaatta tgcaatggtt tgttgagata cggacttgat ggtgctgttt aatcagtttg 180  
 cttccaaagt ggcctactca agaggcccta agactggtag aaattaaaag gatttcaaaa 240  
 acttttctatt ccttttctta acctaccagc aaactaggat tgtgatagca atgaatggta 300  
 tgatgaagaa agtttgacca aatttgtttt ttgttggtt ttgttggttt gaatttgaaa 360  
 tcattcttat tccctttaag aatgtttatg tatgaagtgt gaagatgcta gcgaacctat 420  
 gctcagattt catcgtaagt ctnccttccc tgtacagant ttcaaancgg cactgatagt 480  
 atgtatttct ttataaaaaa ggggtaaaaa tacaatgaac ttttacctcg gccggacacc 540  
 cttangggga aatccacnca ctgggggccc tncctaaggga tccaacttgg ncccannttg 600  
 ggnaaaangg gcnaantttt cccggg 626

<210> 844  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 844  
 aaaaatctaa aagtttattg ccagaatagc aaacttcata aagacacctt aaagtacatc 60  
 gaatatgaca agcaaaaata acagaaaact ttgaccaaag aaaagattgc cgctgtcatg 120  
 cacagtcaaa ttaataccaa accaaacaag tacatcgaag agtatatggg ttatacaatc 180  
 cacactctga aactaaagga gactcattcc aaaatgcttg gttttgggtt ggggggttga 240

gaggggggct ggtgctggga gggtaatttt ctcctaatac agaatatgga aatattt 297

<210> 845

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 373, 446, 480, 482, 491, 494, 498, 544, 553

<223> n = A,T,C or G

<400> 845

```
ccagttttga ttgcaaatgc tgtaaagata tagaatgaag tcctgtgagg ctttcctatc 60
tccaagtcta tgtattttct ggagaccaa ccagatacca gataatcaca aagaaagctt 120
ttttaataag gcttaaacca agaccttgct tagatatttt tagtttggtg ccaaggtagc 180
actgtgagaa atctcacttg gatgttatgt aaggggtgag acacaacagt ctgactatga 240
gtgaggaaaa tatctgggct ttttcgtcag ttggtgcat ttgctgctgc tgttgctact 300
gtttgcctca aacgctgtgt ttaaacaacg ttaaactctt acctacaagg tggctcttat 360
gtacataagt tgntaatata tccaattaat gatgctgaca tgctattttt gtaggagaaa 420
aaatatgtgc taatgatttt ttgaanttaa aatatctttt ggggaagatt gcttaaaaaa 480
tncctttttt nttncangc ttatcttgga caaacttatg ccggcttaaa atattttaaa 540
aaanaaaact ggnttggaac aaaaaaaaaa aaaaaaaaaa 580
```

<210> 846

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 336

<223> n = A,T,C or G

<400> 846

```
atcgccatta tccccagcaa aaagctccgc aacaagatag caggttatgt cacgcatctg 60
atgaagcgaa ttcagagagg ccagtaaga ggtatctcca tcaagctgca ggaggaggag 120
agagaaagga gagacaatta tgttcctgag gtctcagcct tggatcagga gattattgaa 180
gtagatcctg acactaagga aatgctgaag cttttggact tcggcagtct gtccaacctt 240
caggtcactc agcctacagt tgggatgaat ttcaaaacgc ctgggggacc tgtttgaatt 300
ttttcttgta gtgctgtatt attttcaata aatctnggga caaca 345
```

<210> 847

<211> 71

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 12, 23, 27, 32, 38

<223> n = A,T,C or G

<400> 847

```
ggcaggngng anactcaatt tgntgangaa anaaaacntc cattaaagga taaataaaaa 60
```



cccaatttat t

71

<210> 848

<211> 226

<212> DNA

<213> Homo sapiens

<400> 848

```
ggataactcag tttgttgagg aaataagacg tcaatgaagg gataaataag agcacaattt 60
attgcatggt aagtgtcaga tgaacagtac aatttgtgct ttagaaattc agagaacaga 120
aggggtatcat tgtagctggg tgcggtggct cacgcctgta atcccagcac tttcagaggc 180
cgaggcaggc gggtcacttg agttcaggag ttcaagacca gcctgg 226
```

<210> 849

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 209, 211, 222, 227

<223> n = A,T,C or G

<400> 849

```
gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggt aatgtacaaa 60
tgtgaataga cacttatcta tataatatgg gtaagttttg tttcgcttat aatagatggt 120
tataaaaaca agtgagggga cagttgggtct ttttatcttt tctttctttt tctttctttt 180
ctttttttct tttttttttt ttttttttng ncccccccg gngcccnttt gaaaaaa 237
```

<210> 850

<211> 190

<212> DNA

<213> Homo sapiens

<400> 850

```
ctgtatcatc tagacgctta tatcccgtg cagatcaact ctcatgagag caaggcagcc 60
ttccaccgga agagaaagca attaatggtg gccacatctc ccattagctc tagcatgaaa 120
cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgccc agtaactaaa 180
tgaattcaaa 190
```

<210> 851

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 197, 200, 203, 207, 240, 249, 252, 256, 268, 274, 276, 280,  
302, 309, 321, 386, 457, 477, 495, 499, 500, 511, 514, 520

<223> n = A,T,C or G

<400> 851

```
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120
```

```
tcaatatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttggaata ttgttgnggn ctnttgnttt ttctcttagt atagcatttt tacctgcccn 240
ggcgccgnt cnaaanggcg aattccanca cacntnacgn cttaatctt ttttttcaa 300
anaactaant tctgggggag ntgatattct ttccagggtg atacgtcttt tcaggggactg 360
caaggggacc ataaagggtac taatgntatt aatgtgactg acaagtaatt agaaactggg 420
aaattaaatt ttacaaacat ttttacctgc cccggcnggc cctcgaaagg cgaaatncac 480
acactggcgg ccgtinctann ggatccaact nggncccaan cttgg 525
```

<210> 852

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 387, 401, 408, 421, 440, 467, 477, 478, 482, 491, 499

<223> n = A,T,C or G

<400> 852

```
aaaccttttg aagtttgggt tttaaacttc cctctgtgga agatattcaa aagccacaag 60
tggtgcaaat gtttatgggt tttatttttc aatttttatt ttggttttct taaaaaggtt 120
gacattttcc ataacagggt taagagtgtt gaaaaaaaaa tcaaattttt gggggagcgg 180
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 240
tgccacaat ttaagcaagt agatgtgcag aagaaatgga aggattcagc ttccagttaa 300
aaaagaagaa gaagaaatgg caaagagaaa gttttttcaa atttctttct tttttaattt 360
agattgagtt catttatttg aaaccanact gggccaatgt ncacaaanaa ttcttggtca 420
ncaccccccg aacttgcccn gggcggggcc ttaagggcga aattccncca cactggnnng 480
cngttcctaa nggaatccna actt 504
```

<210> 853

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 16, 25, 29, 36, 85, 105, 167, 256, 296, 323, 330, 334,  
335, 355, 372, 396, 417, 428, 429, 441, 446, 448, 457, 471,  
475, 478, 484, 488, 493, 494, 511, 523

<223> n = A,T,C or G

<400> 853

```
aactcaaaat tgncanatca actancttng cttttngcct ttggaaaact accattattc 60
aaatttatta tgtaatacac tcatncagat aatgaaacat ctgcnaaaag aagtgtggga 120
atcacctcat ctgtgcataa aatggctatt atacatgaat gcagacnttt gaagtttagaa 180
aggaatataa ctcaaatagc aaaaggctct aattacagag ttacaaata agcagttgta 240
ttttcaaaaag tcatantaag tccagactgg gctattgccca aagaactaat ctttantcta 300
cttcaacatg ttacatggga ttinctgactn ttcnactat taacattttg tgganggttaa 360
cttcctaaaag gncccaaaaa aacaggaaac attccnggaa ttaaaggctt cctcttnaaa 420
aaacaagnng ggaaaccaat ngggcnanga acctttnccc gggggggccc ntttnaancc 480
cctntttngg ggnncttttt taaaaggggg naatttcccc ccncttggg ggg 533
```

<210> 854

<211> 124

<212> DNA  
<213> Homo sapiens

<400> 854  
ccttaggctg gacctaaata gattgatttc atttctaacc atccaattct gcatgtattc 60  
ataattctat caagtcattt ttgattcctg gacctaataa attttttttc cctttcaaaa 120  
aaaa 124

<210> 855  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 209, 211  
<223> n = A,T,C or G

<400> 855  
cctaccgcag cctgctcgag ggacaggaag atcactacaa caatttgtct gcctccaagg 60  
tcctctgagg cagcaggctc tggggcttct gctgtccttt ggaggggtgc ttctgggtag 120  
agggatggga aggaagggac ccttaccccc ggctcttctc ctgacctgcc aataaaaaatt 180  
tatggtccaa aaaaaaaaaa aaaaaaaanc ntcccggggg ggccctttcaa aggggggaaat 240

<210> 856  
<211> 695  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 368, 431, 459, 465, 472, 507, 514, 522, 548, 550, 558, 585,  
591, 592, 612, 622, 631, 634, 652, 656, 678  
<223> n = A,T,C or G

<400> 856  
cctcagcata attcttcagg tgcatctcct aggagagtcc gtcattgattc accagatccc 60  
tctcctccta ggcgagcccg tcatgggttc tcagatatct cttccccccag aaggggtccat 120  
aacaactccc ctgacacatc taggaggact cttgggtctt cagacacaca gcaactcaga 180  
agggcccgct atgactcccc tgatttggct cctaattgtca cttattccct gcccagaacc 240  
aaaagtggta aagccccaga aagagcctct agcaagactt ctccacattg gaaggagtca 300  
ggagcctccc acttgtcatt cccaaagaac agcaaatatg agtatgacct tgacatctct 360  
cctccacnaa aaaagcaagc aaaatcccat tttggagaca agaagcactt gattccaaag 420  
gtgactgcca naaagcaact gattcaaaac tttcttctnc ccggnataaa cnaaatccag 480  
ggcccaggat tcttaattca aattttnacc ttncgggaat anaactaaaa acccggaact 540  
ttttattntn aacctctntt cccccagggg ggaaaaccga aggancccaa ntttttttaa 600  
tttttacctt tccccccccc cnaaaggaaa naanccttct tggaaaaaaa gnttttncaac 660  
aatttttttt ggggggctnaa aaaggggggg ggggt 695

<210> 857  
<211> 409  
<212> DNA  
<213> Homo sapiens

```

<400> 857
ctgccaaagat ggagaagcat gtgcccctgt agagcgtctc cccagaacca gaccccgagc 60
cactcgcttc ctctgtgctg tgacaacatt ggtgccaggg gagatggtgt ttttcaaagg 120
gacctactgt agccacttta atttacaatt aagagcctta gtttgactta acacttttgt 180
aggcttttca ttgtgtattt ttgtgtatgt gtgcatatag cagctactct gtagcagagg 240
tgggtagaga cacttaatat tatcatgtcg catgcagatg tcacatcggc ctctgcaaaa 300
actgtactgt cttgtttctg cattagactt aagtagtcat gtgaatatac tgctatgtca 360
cttttaatat tacgagtttt atacttgga aatggtactt gcttctttt 409

```

```

<210> 858
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 858
ggaattcttt gtggacattg gccagctctg tttcaaataa atgaactcaa tctaaattaa 60
aaaagaaaga aatttgaaaa aactttctct ttgccatttc ttcttcttct tttttaactg 120
aaagctgaat ccttccattt cttctgcaca tctacttgct taaattgtgg gcaaaagaga 180
aaaagaagga ttgatcagag cattgtgcaa tacagtttca ttaactcctt ccccgctcc 240
cccaaaaatt tgaatttttt tttcaacact cttacacctg ttatggaaaa tgtcgacctt 300
tgtaagaaaa ccaaaataaa aattgaaaaa taaaaaccgt aaaa 344

```

```

<210> 859
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 369, 401, 404, 407, 421, 462, 468, 480, 521, 527, 534, 535,
538, 544
<223> n = A,T,C or G

```

```

<400> 859
ccggagtcca tagcacatat tggggatgtg atgtttactg ggacagcaga tggccgggtc 60
gtaaaacttg aaaatggtga aatagagacc attgcccggt ttggttcggg cccttgcaaa 120
acccgagatg atgagcctgt gtgtgggaga cccctgggta tccgtgcagg gcccaatggg 180
actctctttg tggccgatgc atacaaggga ctatttgaag taaatccctg gaaacgtgaa 240
gtgaaactgc tgctgtcctc cgagacaccc attgagggga agaacatgtc ctttgtgaat 300
gatcttacag tcaactcagga tgggaggaag atttatttca cccgattcta gcagcaaagt 360
gcaaagacna gactacctgc ttctggtgat ggagggcaca natnacnggc gcctgctgga 420
ntatgatact gtgaccaggg aaataaaatt tttttggacc anaacttngg cccgaacacn 480
cttaaggggg aatttcaaca cacttggcgg gccgtactta ntggatncca actnnggncc 540
caancttggg gg 552

```

```

<210> 860
<211> 148
<212> DNA
<213> Homo sapiens

```

```

<400> 860
ctgggggtggg gggatgtagc ctacctcggg ggactgtctg tcctcaaaac gggctgagaa 60
ggcccgctcag gggcccagggt cccacagaga ggccctgggat actcccccaa cccgaggggc 120

```

agactgggca gtggggagcc cccattgt

148

<210> 861

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 436, 551, 557, 560, 571, 572, 582

<223> n = A,T,C or G

<400> 861

```
cactgttctt gtagatggct gctctaaaaa gacaaatgaa tggggaaaga caatcattga 60
atacaaaaca aataagccat cagcctgcc ctctcttgat attgcacctt tggacatcgg 120
tgggtgctgac caggaattct ttgtggacat tggcccagtc tgtttcaaataaatgaactc 180
aatctaaatt aaaaagaaag aaatttgaaa aaactttctc ttgcccattt ctctctcttc 240
ttttttaact gaaagctgaa tccttccatt tcttctgcac atctacttgc ttaaattgtg 300
ggcaaaagag aaaaagaagg attgatcaga gcattgtgca atacagtttc attaatcct 360
tccccgcctc ccccaaaaat ttgaattttt ttttcaacac tcttacacct gttatggaaa 420
atgccaacct ttgtanaaac caaaataaaa attgaaaaat aaaacctaaa catttgcccc 480
ttgtggcttt tgaatatattt cacagaggaa attacctgcc cggcggcctc caaaggcgaa 540
ttcacacctg nggcctntan ggaccacttg nnccacttgg gnaatatggc ta 592
```

<210> 862

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 80, 134, 176, 199, 203, 232, 288, 300

<223> n = A,T,C or G

<400> 862

```
ataagggtctg tttttgctgc cccaaaaggg cttaacaatt taggcggata gtttacttaa 60
aaaaaaaaaa tcctttggan acatactgaa aatgcaaact agtttctaaa ttatcaattc 120
cctacatgaa aaancagttt gccaaagttt agtctcaaaa aatgactggg tggctntatt 180
taaatcaaaa cccaatttnt acncgtgttg aataaggtaa cagcctttga tnaatttcct 240
tcacaacatg gttttagtga agcaaacatt tttttttaag ggcattgntc tttctagttn 300
atttcttttt atgaaataaa attattttat tt 332
```

<210> 863

<211> 297

<212> DNA

<213> Homo sapiens

<400> 863

```
ccttggttta attgcaggcg cattgaacag tcctgggcac tacatgtaaa ttaagcccaa 60
agatggggag aaaggaaaag gagagacaaa tatagtccat actgagagtc atcaacaatc 120
cagactgaag tcttctatct taatctcaat ccccttttct gatttggcac ccatgcctct 180
tcaggctgga aacaatctct tggttcccta aagcactttc ttctgactgc tgtgattcag 240
tgaaccttgc cctttgcttt ctattacttg tgcatttggc tcacctgaca atgtttt 297
```

<210> 864  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

<400> 864  
 gtgtctaaaa atccattccc tctgccctga agcctgagtg agacacatga agaaaactgt 60  
 gtttcattta cctcggccg 79

<210> 865  
 <211> 98  
 <212> DNA  
 <213> Homo sapiens

<400> 865  
 tagaaattga gatgcccccc caggccagca aatgttcctt tttgttcaaa gtctatTTTT 60  
 attccttgat atTTTTcttt tTTTTTTTTT ttttgggg 98

<210> 866  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 397, 404, 414, 426, 513, 518, 528, 545, 567, 568, 569  
 <223> n = A,T,C or G

<400> 866  
 aaaatatttc ccctagtttt ttgggggggat aggaagaaaag atttgttact gtatTTTTTT 60  
 aactacataa aaatagatca ataaatgtca gcattggcct ctgtgtacaa accaagagct 120  
 ttacagatc cagaatttat tagtttaaaa tgcaggtgaa cttttttttg cgttttggtt 180  
 acttgtctgt caaatgtttc cttaaacaatg aaactgaata aggagaagag tatttttaac 240  
 acttaaatTT ctTggcaaat tttaaaacat tttttagtct gtaatacact ccacttgaag 300  
 cacttaagtc ttccttaaat gacttttctt aagtaatgat actgtgtgtt ttcccaaagc 360  
 acttttaaaa aaatttttat aaattactat ctgttgnaaa agngggccct tttncctttc 420  
 ttctanaatt tttttcttac caaaatttcc ctaatctttg aaaggtttg ggaaatttaa 480  
 aatttcaaaa tggccaaaaa accttgacct cantttancc ttgcccngg gccgggcccc 540  
 ttttnaaaaa ggggcaaaat ttccannnc cttttggggg gg 582

<210> 867  
 <211> 663  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 13, 32, 38, 64, 400, 496, 521, 537, 548, 550, 551, 576, 580,  
 588, 602, 605, 610, 619, 625, 626, 636, 637, 646, 652, 654,  
 659  
 <223> n = A,T,C or G

<400> 867  
 aaacattacc cancatcatt gtttataatc anaaactntg gtccttctgt ctggtggcac 60

```

ttanagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatgggg 120
atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa 180
ggttattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240
cttgaccttc tttgaaaagc attcccaaaa tgctctattt tagatagatt aacattaacc 300
aacataatth tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtgggt 360
catctctttc acctgcattt tatttgggtg ttgtctgaan aaaggaaaga ggaaagcaaa 420
taccaattgt actatttgta ccaaactctt gggattcatt ggcaaataat ttcagtgggtg 480
gggtattatt aaatanaaaa aaaaattttt tttctaagggt naaggctaatt tgaaacnttt 540
gacttatnan nacaattttc ctttcaaata aattcnttcn aaaaaatnaa aaaaaaactt 600
gnccnaaccn cctaagggna attcnnactt ggggcnnnta atgganacaac cngncaacnt 660
ggg 663

```

```

<210> 868
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 868
ggaaaaccaa acatgcttta tttcattttt ttcacaattt atttaaacad ctcacatata 60
caaaatagggt acaatttaaat ttttctgctt gcccaagaaa caaagcttct gtggaaccat 120
ggaagaagat gaaaatgaga ctggcaaaga acaaatgctg aatctgaaga agaggacaac 180
tttgggcaaa taatctgcat acttttaatt ggggaataaga tggaaaatat gaatgctaaa 240
tcaaattttt t 251

```

```

<210> 869
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 869
aaatgttgaa tattcccttg tatggatata ccacaattca tttaccatt tacttgttga 60
tgacatttgg gttgttttag ttttgggata ttacaaataa agctgctgtg aacatttgtg 120
caaaaaaaaa aaaaaaaaaa aaa 143

```

```

<210> 870
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 4
<223> n = A,T,C or G

```

```

<400> 870
nngnatgttt ttattaaaaa aaattaaaga cttcatggc acaacttctt cccagcacag 60
ttatgggtta gtcataccaa ttacaatata attacaacca ataaagcaag gtggggaggg 120
ccttctggct tcaaacttaa aaaaaagcag aggaagaggg gagggaccac ttcaaacaaa 180
gtttaaaaaa tctttcagag taattgccaa cataaccttt catgttgg 228

```

```

<210> 871
<211> 696
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc\_feature

<222> 5, 395, 427, 476, 530, 542, 543, 565, 613, 625, 637, 643, 663, 670, 681, 690

<223> n = A,T,C or G

<400> 871

```
ctgangatta gctaattctaa gaacttgaag ctcccgttta aggccttgct ctgtctcagc 60
acctgttggt caaggtcttc attgtatttg ttaacttttt gttctctctc tgttgcttct 120
tttacaagct gtttaagggtc agtaatgctt tgattttttt tggcaatata agtttccaat 180
tcttttaact tggtttcata cattcttgta accacaatgg atttccagct cttactgtca 240
gcaccttcaa gctgtggacc tctgctttct gcaaactgca atctcttacc agtctcttct 300
agttgaactg tcatcttctc atttaatatc tctaaattat tctttgctat cccgtaattt 360
ctctgcacat cagtttcttt ttttaagttt ttacnaacct ttcattttca gcaataattt 420
tttctgngcc tttggtcttg gattcatagt gcatgctcaa ctgatgccca aaagancttt 480
aagttttcta attcagcctt caattttcat tttcctgctc aaaataaccn atttttcact 540
anncaatatt cctgaagctt ttttnactgg tcatttctct ctggactttt cacacttttt 600
tcattaaacc canggttttt tccanttttg gaatggnntt tcncttttac caaaccttta 660
aanggacctn ccgggggggcc nttaaagggn aatccc 696
```

<210> 872

<211> 206

<212> DNA

<213> Homo sapiens

<400> 872

```
ccagataagc taggatgaga gcagagactc agtgtgtggg tgtcccttcc tgcttcccct 60
tcaggtcttg gtttgttctg aagggacgtt ttatagtcac tatccacatg ccagtgtgaa 120
atgggcatct atgacgtggg caggggtgtcc attcctaata atgggggcaga tgccacaagc 180
attcagaaag gagtctgaaa ggggtgg 206
```

<210> 873

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 438, 440, 473, 485, 497, 520, 521, 542, 551, 564, 567, 571

<223> n = A,T,C or G

<400> 873

```
ttttttttct aaagagaaaa aatttttatt gtgatataaa atgcacttat aaaatgtcca 60
ccagaaggca tgtaatcctt cactgctata taaatttact gggaatatgt tattcaccat 120
ctaggtatga tactgccaac taaaacatac tgtaaacgat gagttatact ctataacaaa 180
tgcatacttg attttcagca atcattgggt taataataat tagtttaaga ctataatcac 240
atctatatct tggaatgtcc atttacttta atgtagtgta gtggaattta gagtataatt 300
gcacatagat ggtacagaaa aacattcact tctaaattat tttatacctt catgacaggt 360
agtcttctct actgaaaata acagcttcag ctatgggtctg ctccaggatt cttaatgcaa 420
taatttgggt gtatgtgngn ctgctacctg acccccatgg aacaacttat atntttataa 480
acaangcaaa attttgncag ttatttttgc tggttacctn nccccggcggg cctttaaaag 540
gnaaaatcca ncaattgggg ggcnttntta nggaa 575
```



<210> 874  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 874  
 ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60  
 atctctggat ttctgtagt gcttttagtca ggcataattt tcatcatatt agcagtgttc 120  
 agttcctgcc caacatcttt atttaatccc aattcaatgc ttatggatgc tcagctcatg 180  
 tttaatgttg caagcccat cttagcccat ctttaattcaa acagaa 226

<210> 875  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 378, 511, 514, 531, 545, 555, 562  
 <223> n = A,T,C or G

<400> 875  
 gtgttattca tggggcagat aaacaaaccc tgaagagtat acaaaagaaa ccatgcaaag 60  
 caacgactac ttgtctacga agaaagactc ctttcctgca tctttcatag ttctgttaaa 120  
 tatttttgta catcgcttct ttttcaaaac tagttcttag gaacagactc gatgcaagtg 180  
 tttctgttct gggaggtatt ggaggggaaa aacaagcagg atggctggaa cactgtattg 240  
 aggaatgaat agaaaggctt ccagatgtct aaaagattct ttaaactact gaactgttac 300  
 ctaggttaac aaccctgttg agtatattgct gtttgtccag ttcaggaatt ttgtttttgt 360  
 tttgtctata tgtgcggnnt ttcagaagaa atttaatcag tgtgacagaa aaaaaaatgt 420  
 tttatggtag cttttacttt ttatgaaaaa aaaattatatt tgcctttttaa attcttttcc 480  
 cccttcccct tccaaagtct tgatagccaa ncgntttttt ttgggggggaa naaaccgggg 540  
 aaaantctaa ccccnttttg gntttt 566

<210> 876  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 876  
 ctgtacatg cgggtggagtg tccacaattt gccggtcatc tgaggagcca cctcgcttca 60  
 ggtcaatgac tggggcgagg actgtacttt gtttcgtcct ttggctcttt gcctgagtga 120  
 gagctgcctt cttcac 136

<210> 877  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2, 443  
 <223> n = A,T,C or G

<400> 877

```

nnaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttcaactaa tgttgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttggtttagca 240
tctcatcttg cattctgac aattggcaag aaagggagat ttcaaaatta tatttcttga 300
tggatatctt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggt 360
gtgtctttaa attccaaaca aaatgatccc tgcatttctg aagatgttta cctcggccgc 420
gaccacgcta agggcggaatt canccacttg gcggccgtct aatggatcca actcggaacca 480
gcttgcgaat catggcata                                     499

```

<210> 878

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 16, 175, 236, 339, 389, 394, 395, 400, 444

<223> n = A,T,C or G

<400> 878

```

gctgcgaggg ccgaanctaa gctctcacgt ctggccgcct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gtttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg tttttttgat tccanagtgt 180
taaggaaatc tctgtcctat cactgaccct gggctaaaag aataggaaga aacggncata 240
cgtgacaaaa aatacagact ttacaaccag aaaagtcatt aaacaaataa ctactgcaac 300
aaacaagcaa agaaccaaac cccgggaaaa ggggcgtang gatcattttt ttccagaatt 360
tgctaccatt attaatatct cttaaacanc ccanntttan cctcggggcc gcgaaccacc 420
ccttaagggg cgaaattttc agnccactt gggcggggcc ttacttagtg ggaatcccaa 480
cttc                                     484

```

<210> 879

<211> 259

<212> DNA

<213> Homo sapiens

<400> 879

```

aaactttttc ttcaagttat gggccacttc aaaaacagtg tggcattgag ggtaggcaag 60
tgggagaagg gagacctgga ctgcagagtc cagaagccag aactttgaac tgtgtttcta 120
gctctttcca gcagtgagaa cttggaaagg tagactcttt gcattctaac cttctcatct 180
ttcaaagggg atgaataatt ccaatcacac aagaaaggac tgaacaagat gaacaagatg 240
atcactgtcc aggcgcggg                                     259

```

<210> 880

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 481, 482, 495, 541, 542, 552, 553, 571, 581, 582, 589, 592, 599, 601, 608, 613

<223> n = A,T,C or G

&lt;400&gt; 880

```

gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
ttcccatca acgttggttat ccaggagaaat ggggtctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat atatccgcag ggttcggatg agaccagggtg ttgcttggttc agtatctcaa 420
gcccagaaaag atgaattaat ccttgaagga aatgacattg agcttggttc aaattcaccg 480
nntttgattc agcangcccc accagttaaa aacaaggata tcagggaat ttttgatgg 540
nntctatggt tnttgaaaaa ggaacttttc ngcaggctgg nngaataana anttagaant 600
nccctggntc ccnaaaaaaa a                                     621

```

&lt;210&gt; 881

&lt;211&gt; 357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 881

```

gccgctctgg accgtctcaa ggtgtttgac ggcattccac cgccctacga caagaaaaag 60
cggtatggtgg ttctgtctgc cctcaagggtc gtgcgtctga agcctacaag aaagtttgcc 120
tatctggggc gcctgggtca cgagggttggc tggaagtacc aggcagtgcg agccaccctg 180
gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca gctcatgagg 240
ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac agaggtcctc 300
aagaccacg gactcctggt ctgagcccaa taaagactgt taattcctca aaaaaaa 357

```

&lt;210&gt; 882

&lt;211&gt; 395

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1, 2, 9, 17

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 882

```

nnctgctcnc tgggcanaca taccatgtgg ctgtgggtctg ctacctgacg tctcagggtca 60
gagccacctt ccatggaagt ttcagtacaa agaaatctca gccccacctt ccacagccag 120
caaggctcagc ttctagttca accatcaatc taatggtgag cacagaacca ttgggtctca 180
ctgaaacaga tatatgcaag ttgccgaaag acgaaggaaac ttgcagggat ttcatattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatttgga tcacagaaag aatgtgaaaa ggtttgcgct cctgtgctcg 360
ccaaacccgg agtcatcagt gtgatgggaa cctaa                                     395

```

&lt;210&gt; 883

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 883

```

cgaagacctt tgctctgctg ctgctgtccc tgttctctggc agtgggacta ggagagaaga 60
aagaggggtca cttcagcgct ctccccctccc tgctgttggg atctcatgct aaggtgagca 120
gccctcaacc tcgaggcccc aggtacgcgg aagggaactt catcagtgcg tacagtattg 180

```

ccatggacaa gattcaccaa caagactttg tgaactggct gctggcccaa aaggggaaga 240  
agaatgactg gaaacacaac atcaccaga gggaggctcg ggcgctggag ctgg 294

<210> 884  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 884  
ttcatttgaa aactgagcca aggtgttgac tcagactctc acttaggctc tgctgtttct 60  
cacccttgga tgatggagcc aaagagggga tgctttgaga ttctggatct tgacatgccc 120  
atcttagaag ccagtcaagc tatggaacta atgcggaggc tgcttgctgt gctggctttg 180  
caacaagaca gactgtcccc aagagttcct gctgctgctg ggggctgggc ttccctagat 240  
gtcactggac ag 252

<210> 885  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 885  
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60  
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120  
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180  
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaa 218

<210> 886  
<211> 693  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 494, 511, 528, 550, 560, 566, 582, 593, 594, 598, 610, 626,  
641, 651, 675, 678, 690  
<223> n = A,T,C or G

<400> 886  
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60  
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120  
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180  
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240  
acatgccctg aggccagcag gcgccagct caggcagcac acgccttcac ttaaaaaggc 300  
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360  
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420  
aatgttcatt acacttaaga atctggctga attttattag cttcattata aatactgact 480  
gatatttact cttnccttta agtttttaag ncctctgtac atgatggnat aaattttctt 540  
gtttcagtn tttgggacan atttnttta tgtaattgtt cnggtaaaat tttnnggngg 600  
agtgggaaan ttttcaaatt ccactntttt ggggttgggg ngggggacat naaaaggtaa 660  
ttgggcaaaa tgctnagncc aaaatttgan ggc 693

<210> 887  
<211> 593  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 433, 440, 496, 500, 502, 506, 533, 541, 549, 563, 570, 575, 582, 584, 588

<223> n = A,T,C or G

<400> 887

```
ngcgagagct tcaagagcaa agagtttgtg tctagtgatg agagctcttc gggagagaaac 60
aagagcaaaa agaagaggag gaggagcgag gactctgaag aagaagaact agccagtact 120
ccccccagct cagaggactc agcgtcagga tccgatgagt agaaacggag gaagggttctc 180
tttgcgcttg ctttctcaca ccccccgact cccaccccat attttggtac cagtttctcc 240
tcatgaaatg cagtcccttg attctgtgcc atctgaacat gctctcctgt tgggtgtgat 300
gtcactaggg cagtggggag acgtcttaac tctgtgtctt ccaaggatgg ctgtttataa 360
tttggggaga gatagggtgg gaggcaaggg caatgcagga tccaaatcct catcttactt 420
tcccgcctt aangatgtan ctgctgtctt tctgttcaa attgcttgga acaggggggtc 480
atgtgaaggc caggancttn gnccgngaac ccccttaggg gggaattcca gcncccttgg 540
nggccgttnc ttgtggatcc canctcggnn cccancttgg gngnaatnat ggg 593
```

<210> 888

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 4, 346, 481, 500, 516, 568, 575, 579, 580, 589, 591, 599

<223> n = A,T,C or G

<400> 888

```
gctnttcttg gttccttcag tgggtgttgg agtaaaatgg taggtaaaag ttaggctgca 60
agttcaataa atcatgagat ttcccatcgt tacacccttg tgtattcaca tttcttggat 120
caaacatttt gagtgaacta ggggttttta ttaaagacat ttgttgtatt tatggttgta 180
actgtacatg cttatcagga tgagactgaa agaaggtagg gcaaaaatgg ttgaatctat 240
tttcagatag tagttcatat ttgagtgaag tgtcttgtct gcattatgaa gcctgggatg 300
tatccagtac taaatagggt ggttaaattg ggtaattcta gttcantgtc ttaccctgaa 360
gagaaagtgg taggttggct gttgaaattc attccttaga tatgatcaag tttgattgcc 420
ccggctttat tgcctttaca ggaatgtgat actcagggtt tactctatac accaatgagt 480
nttctttgat cctaagaacn ccaactgaagt tggtnagggt ctttggacaa catgaataaa 540
cttcttcaaa aacttttttt tcctttgnaa ggaangggnn ttgcttcang ntactaatna 600
aaaaaa 606
```

<210> 889

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 397, 408, 474

<223> n = A,T,C or G

<400> 889

```

ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggt ggcatggaag aacttgcaat aaaaggtagc aagccagcct 120
catacatgcc ctgaggccag caggcgcca gctcaggcag cacacgcctt cacttaaaaa 180
ggcggaggag cggcgggatc cacctgaatc caattacatc tggatgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatggtata 420
gaatttcttg tttcagtgct ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a 481

```

```

<210> 890
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 218
<223> n = A,T,C or G

```

```

<400> 890
ccaaaaccag gctttgattg aaccaggatg aatgcgggtg tcggaagtag aatatatata 60
tacatataaa attgaaactg gcgatggaat atgagaggag ccctctggaa agaaaaggac 120
agaccctgtg ctttcatgaa agtgaaaatc tggctgaacc agttccacaa ggttactgta 180
tacatagcct gagtttaaaa ggctgtgccc acttcaanaa tgtcattgtt agactttgaa 240
atttctaact gcctacctgc ataaagaaaa taaaatcttt t 281

```

```

<210> 891
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 891
ccagccctga agttgccctc ccaggaggga accagctctg ggaggaggag gctgtcagac 60
ctccagggcc tggctgggat ctctggtcag gaatgtgtga aagggtggtg gggagagaag 120
atggcagcac cccaggcat gggctgcgag cag 153

```

```

<210> 892
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<400> 892
aaagtagttt tctttaggaa ctgtcagcat gttgttggtg aagtgtggag ttgtaactct 60
gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
tattatccag gtactcgtac actatTTTT tgtactgctg gtctgtacc agaaacattt 180
tcttttattg ttacttgctt ttt 203

```

```

<210> 893
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 893

```

```

cggccgaggt aaatttgcca gcagggaagt aaaataatta tgggaagagt gtcttaagcc 60
taatattaaa tcagttttgt taaggggaaa actcaatagt tctgttactt aggctgttag 120
atccaagttg atttttgtgt ctacagctaa attttgttta caattaggct atttttta 180
ataggattta gaaaccaagg gtatgtgttt t 211

```

```

<210> 894
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 894
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaaact gccttaaaaa ggcagacgctc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

```

```

<210> 895
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34, 56, 65, 71, 77, 90, 97, 183, 204, 206, 246, 249, 260,
323, 336, 351
<223> n = A,T,C or G

```

```

<400> 895
ctgaaggaga ctgtggaaaa atataaacga gctntggcag aacttgagaa cttacngcac 60
agganccaga nattgngnga ggaggcaaan ttatacngca ttcaagcctt ctgcaaggac 120
ttgttgaggg tggcagacgt tctggagaag gcaacacagt gtgttccaaa agaagaaatt 180
aangacgata accctcacct gaanancctc tatgaggggc tggatcatgac tgaagtccag 240
atccanaang tgttcacaan gcatggcttg ctcaaattga accctgtcgg agccaagtgc 300
gacccttatg aacatgacgc ctngtacccc accgngtgaa ggggaagacca ngcacatggc 360
cctactacaa agtggggaca agctgcttgg ccactctaga cc 402

```

```

<210> 896
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 155, 164, 166, 170, 217, 220, 235, 261, 279, 286, 318, 326,
335, 362, 400, 406, 410
<223> n = A,T,C or G

```

```

<400> 896
ccaagaacgt gcaataaatt ggaagtttgc cccggggcag caagaattta tgctgccatt 60
gaagagcagg taccagtgcc ccttttcaga cagtttttga ttgcgtctag actttttttt 120
tttttaatag ggaggggaaaa aatttgataa tttntttttt tctnontgcn cttaaaacta 180
aaacacaggt tgggataaat ttatttgctt ccttttnccn tttttttccc caaancctga 240

```

```

tgggaaaaat gtccagggca nggaaacccc cttttttgna gggganaact caaatgaaaa 300
ttggggcctta tttttacnct tctctnttgg ggctnttttg gggggctatc tgttttaagg 360
gntcccttaa ggcccctggg ggcccctggac ctgcccgggn ggcctnaaan ggggaaattc 420
caaca                                             425

```

```

<210> 897
<211> 172
<212> DNA
<213> Homo sapiens

```

```

<400> 897
aaagcactca cataaatcca tttcactcaa aaaggaaaca taaagtgctt ctagcagtac 60
aagcacgggt ggcatggcct ttccaaagggt cttccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gtttttattt tctgagccat tagagatttt ca 172

```

```

<210> 898
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 270, 283, 301, 336, 358, 405, 410, 430, 441, 452, 463, 479,
480, 485, 509
<223> n = A,T,C or G

```

```

<400> 898
ccggattgga gggagcacag atacaggcaa acatatcaag gagaatgact attatactcc 60
aactggggag ttccgtgtgg accgtgaagg ttctccagtg ctgctcaact gcctcatgta 120
caagatgtgt tactatcgct ttggacaggt ttacacagaa ccaagcgtcc tccagctttg 180
accgtgtccg aaaatgctga gattgggaat aaagactttt gagcttgatg tcctggagga 240
aacatatacc acagaacatt ggctggtcan gatatacaag gtnaaaggac ctggataatc 300
naagcttgtc aaggacataa atggcacggt caactntgat tgcttccact tagccatnac 360
atttaagacg ttgaaaaatt tttttttttt tttttttaat atcantttgn aaaaacaaaa 420
ctggatgggn ttaaaatttt ntggaaattt tnttttgggc aanatgggct gggccaaann 480
aaaanatttt tttaatttta aaaagggtn ccaaaa 516

```

```

<210> 899
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 262, 273, 311, 331, 353, 357, 402, 418, 424, 433, 439, 443
<223> n = A,T,C or G

```

```

<400> 899
atgaagttca atcccttcgt tacctcggac cgcagtaaaa accgcaaacg tcactttcaat 60
gccccctcac acgtgcgcag gaagatcatg tcatccccgc tctccaagga gctgcggcag 120
aagtacaatg tccgctccat gcccatccgc aaggacgacg aaggctccagg tagttcgaag 180
gacactcaaa aggtcagcaa attgggcaag ggtagtccca ggtggtacca gaaaagaaaa 240
tattgtcaat ctaacatcga ancggggtgg canccgtgaa gaaagggccc aaacgggcac 300
caaacttggg nccccgttgg ggccatttca nccccaaagc caaaggggtg ggnttantca 360

```



```

cccaagggct taaaaaactt gggaacccaa gggaattcgg gnaaaaaaaaa aaaatttntt 420
tggnaaacccg ccnaaaaagnc ccnaaatatt 449

```

```

<210> 900
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<400> 900
aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaatg ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggccgcaat actgtaggaa caagcatgat ctttggtact 180
gtgatatttt 190

```

```

<210> 901
<211> 570
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 338, 373, 417, 469, 515, 520, 536, 558, 565
<223> n = A,T,C or G

```

```

<400> 901
aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaataaat ctgcatactt ttaattagga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatcaccac acgatacaac tcaatacagg 240
gagtattctt tctcaaaatt ctttctttacc cccatcaaca attctttcaa agtattcttg 300
gaaaatacct tatttaaatt taagccccct tttggtantt tattgaaacc aaaaacccaa 360
aaaccaaggg gancccttca aggtttcatt cttcttggtc ttaaggggcc aagccanccc 420
taaaccaatt ggtggggaat caccaccttc atttggggga aaaggtggnt tttggaaggg 480
taaattttac ccttcggggc cggcggaaac caccnccttn agggggcgga aatttnccaa 540
ccacccccct tggcgggncg gtttncctta 570

```

```

<210> 902
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 304, 309, 396, 400, 408, 409, 428, 456, 472, 477, 493, 506,
513, 532, 536, 537, 544, 546, 568, 578, 590
<223> n = A,T,C or G

```

```

<400> 902
ccatggatgt gcccacatac agtacacatt ttttggttaa atttgttttc agatcatttc 60
atggaatctt tgaagtatct ttgactctaa ctttgacttg gtggtggacc ttccttggtt 120
tttataacac ctaagagata tccttttagaa ttacatgtat tttagcataa ggaaattgga 180
aaaagtaaaa catctgggtt ttttcaccaa gaccatatgg taaataaaat agtgaaaatg 240
gtggtatgaa gttcaagtaa gaacctggac cctcaaccaa tgggtttcca ttaaaatatg 300
ccanaagtn ctttcttttg gaattgggta atttaccat aattggttaa aattggaatg 360

```

```

catttgccat ttctaaggaa tctaaaagaa ttggantacn agaaagggnnc caatttttatt 420
atttggaanga aaaatatgaa aaattaccgg ggcccnatac ctggtttttga tnaaatnaaa 480
ttggattttt tanccttggg ccgcgnaacc acnccttaag gggggaaaat tncaannaca 540
cctntngcgg gccgtactaa aggggaancc caacttcngg aacccaaaacn ttgggggggaa 600
a 601

```

```

<210> 903
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 310, 354, 369, 426, 433, 439, 449, 476, 481
<223> n = A,T,C or G

```

```

<400> 903
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgttcggaa 180
agagttggtt gaaccgcatc ctcaatattc ctttttggtc ctctgggtaa ttgggtgggt 240
gcctggcctt gcttttgctc tgggaaatat gggtaagggg tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggccttg aaccttcttt ggttgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccacccact tgggaagggt gaaccaacc 420
aatggnatga agnatttang ggccttatnt aaaaaagaat tgcttcccc aggggtngggg 480
ncaaaatgga aggaaaacaa tggccttgac agtgaccaca ccggaatcca tt 532

```

```

<210> 904
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G

```

```

<400> 904
ctattgtana tattgcaccc tatgacattg gtggctctga tcaagaatth ggtgtggacg 60
ttggccctgt ttgcttttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta 120
actccatatg tgttctctct gttctaattc tgtcaaccag tgcaagtga cgcacaaaatt 180
ccagttatth atttccaaaa tgtttggaaa acaagtataa ttgacaaaag aaaaaatgat 240
ctttctcttt tttttggctg gttccaccaa aataccaatt tcaaatggc ttttttggtt 300
taattttttt tacccaatth ccaattttca aaaatggtct tcaatgggtg gctattaata 360
aaaataaaac ctttcaacca cttcttttat tggataaac ctta 404

```

```

<210> 905
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 189, 224, 259, 314

```

<223> n = A,T,C or G

<400> 905

```
aagaaaggaa aataaactct ttgtatgata tttattagga ggaaagagga ctgaaaatgt 60
tcttgtgtag aaacagaagg acagcatttc tgtagtcat ttcttgaaa agtaatatatt 120
taaggggaaa ttatggaaac aatctaattg ttcaattgct gtgctagtgg gtaggggttta 180
ttttctggna gtctctcctt tgtgggctgt atgtttggta cacnccgtgc cctctgcttg 240
tcccaaaggg aaggggttng tgtccaagtg tattggaagt agtgggtggaa cttaaagaac 300
ctggaaaaaac ggancctccc cgggccg 327
```

<210> 906

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 339, 366, 409, 412, 442, 448, 466, 486, 500

<223> n = A,T,C or G

<400> 906

```
gtcattgatg tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa 60
ctagccaaaa tgtacaagac cacaccgat gtcattcttg tatttggatt cagaactcat 120
tttgggtggtg gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag 180
aaaaatgaac ccaaacatag acttgcaaga catggcctgt atgagaaaga aaaaaacctc 240
aagaaagcaa cgaaagggaac ccagaaacag aatgaaagaa agtcaggggg actgcaaaag 300
gcaatgttggt tgctggcaaa aaagaaatga acctggaana ttggatcacc agcccgaag 360
gaagtnaaag gtgcttcaat gatgttagct tgtggacctt ccccgggcng gncgctcaaa 420
gggccaaatt ccaacacact tntggcgncg gttacctaat ggaatnccaa actcggtacc 480
caaacnttgg cgtaatcatn gggccata 508
```

<210> 907

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 261

<223> n = A,T,C or G

<400> 907

```
aaagttcttt atagggttag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg tctaatttat 120
catgactgat agatctgggt aagttgtgta gtaaagcatt aggagggtea ttcttgtcac 180
aaaagtgcc aaaaaacagc ctccaggagaa taaatgactt gcttttctaa atctcagggt 240
tgtctgggct ctatcatata nacaggcttc tgatagtttg caactgtaag cagaaaccta 300
catatagtta aaaatcctgg tctttctttg gtaaacagaa ttttacctcc ccggccgg 358
```

<210> 908

<211> 437

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 215, 218, 395, 405  
 <223> n = A,T,C or G

<400> 908  
 ccacggggac tgttattcgc aagctggttt tctagacctg ttagctggaa gcatgggtgag 60  
 caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120  
 cagcgctttc tggtagtcgc ccttagtgtc ttgctggata aacaagggtca taaataacaa 180  
 aaaacaaagt aggtcccaga ctccggacca tgcancanga acaggggtgg gaaggggtgt 240  
 tgaatgggaa aaggtggaag ggggctacac catcacctaa aaacagtcac cagaaaaaga 300  
 atgggctttc aaggaacact tgcccttttc cttgaccttc gggccgcgaa ccaccgctta 360  
 aagggccgaa tttccaacca caccttggcg ggccngttaa ttagnggaat tcccaacttc 420  
 ggtacccaaa ctttggg 437

<210> 909  
 <211> 720  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 300, 341, 343, 348, 437, 467, 480, 483, 488, 515, 537, 540,  
 553, 562, 573, 581, 601, 614, 644, 648, 663, 706, 709  
 <223> n = A,T,C or G

<400> 909  
 gaaccaccac ctcccttactt acctgcctga agaaattctg cctttgacaa taaatcctat 60  
 accagctttt tgtctgttta tgttacagaa tgctgcaatt cagggctctt caaacttggt 120  
 tgatataaaa tatgttgtct tttgtttaag catttatttt caaacactaa ggagcttttt 180  
 gacatctgtt aaacgtcttt ttgttttttt gttaagtctt ttacatttta ataagttttt 240  
 gaagacaatc taggttaagc aagaagcaaa agtgccattg gttgccttta attggggggg 300  
 gggaaaggga aaagaagggg taccttgccc acataagttt ncnttttnaa ctggcctttt 360  
 cttttatatt aatccgtttt ggcatttttg ttaccttgct acccctgaag tacctttcaa 420  
 ggaaagaact ggacttnaaa tatttccggg ggggtgaagta aagtaanttg ggggaattan 480  
 aancctgnac cttttcattc tggcagaagg ccaanaaaaa atattttggc aatttngnan 540  
 cttgactggg ggnaaaaaaa anggtgcat ggnttcctaa nttgggataa tgggttccca 600  
 ntttttggga aaanaagaat taaataaaac ttttttacct cggncnccnaa cacccttaag 660  
 ggngaaattc cacacacttt gggggcgctt taatggaacc aacttngtnc caacttgggg 720

<210> 910  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 311, 333, 353, 354, 368, 374, 375, 381, 386, 434, 435, 449,  
 450  
 <223> n = A,T,C or G

<400> 910  
 aaaaaaatc aattccctca tcaactgaaag gacttgtaca tttttaaaact tccagtctcc 60

```

taaggcacag tattttaatca gaatgccaat attaccaccc tgctgtagca ggaataagag 120
gcaaggtatt agcactaaga aaaacagcaa aattcctgaa caaaatcatc tgtcatttta 180
aaaaagggat aaaaaaacag gctaagtggg tgagcatttt agttaagaaa ggcccagtgt 240
tgttatgcag gactttcccg ttaaaaaaaaa aaaaaatcga aatattttta ctcaagtacg 300
tttaattccc ncagaggagc ttaaaaaaaaa aanagggggg tagtaaaatc canntacttt 360
ttttcctngg gcgnnaccac nctaanggcg aattccacac acttggcggc cgttactaat 420
ggatccaact cggnnccaac ttggggaann atgggcata 459

```

```

<210> 911
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 911
ggcaggtaaa ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga 60
cctagacaga gatgaactga ggtccttggt ttgttttggt cataatacaa aggtgctaata 120
taatagtatt tcagatactt gaagaatggt gatggtgcta gaagaatttg agaagaaata 180
ctcctgtatt gagtgtgtat gtgtggtgta tttttt 216

```

```

<210> 912
<211> 92
<212> DNA
<213> Homo sapiens

```

```

<400> 912
atcattttca ataaaagata gggcttttgc tcccttggtc ttggagggac cattattaca 60
tctctgaact acctttgtat ccaacatggt tt 92

```

```

<210> 913
<211> 109
<212> DNA
<213> Homo sapiens

```

```

<400> 913
ccagtgtctg cagccgacct ttctgtggtg atggaaatct ttttctgtgc tgtccaatac 60
agcagccacc gaccactttt gcttattgag cacctcaata tagaggtgg 109

```

```

<210> 914
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<400> 914
ttctagtaga ggacgagtct gaaagttgac tgaaaaagca aaagctaatt taattgggtg 60
gtaacttgta ccaaaatatt ttacttcaaa atctataaag caggtacagt taaggaataa 120
gtagaactaa ggcttctgct tccttgctgc ttgggggtggg agtagggaaa tgttatgatt 180
tgatttaca 189

```

```

<210> 915
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature

<222> 1, 2

<223> n = A,T,C or G

<400> 915

```
nncatgatcgt ccttagccag tccaatctct acgaggaact ggcatatggt cttgcgttgg 60
tcacctgtga gctgaattac ttctccatat tccgatgct caattacaag taccattgca 120
aggcaaactt tttcttaaac gccttcaacta gtttcttttt atcgtaatca tcagcgatcc 180
cttggacagt agtaaagggc tttctgcccg ttctctgtga attcttacct cggcccgaac 240
acgc 244
```

<210> 916

<211> 185

<212> DNA

<213> Homo sapiens

<400> 916

```
ctatagggct cgagcggccg cccgggcagg tccaagcttg aggaagatgt gtggccttgc 60
ccccaattcc atcagaccaa ggctgcaagt ggccctccat tcgtgtgtgt atttaggggc 120
tggggagggg gaaggggcaa gaacttggac cttgtactac ctcaagacct cggggccgca 180
acacg 185
```

<210> 917

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 268, 363, 383, 398, 410, 418, 433, 455

<223> n = A,T,C or G

<400> 917

```
aaataagagt agaataggcc tttattttgc cgcaaatact tttgattttg cctaaagttt 60
ctaatagttc ataacaagag tctttaaatg agaagtgcac tagaatattt gaggataatg 120
gtccactcca gcattcatgc ttattccatt tgagctatta cacaagaaac tcataccatt 180
cttgggttat tacttggctg tgacgattta attcataata tggctgctca aaattagtgg 240
gcagaaacat catacaccca ttctcctnaa cccatttttc gggctggtac tccatctgaa 300
aacacactta ctgggtcatgt cccaacagta catatctctt tctatctatt tccatattct 360
aanccttgct taaaaacctc ggncgcgaac acccttangg cgaaattcan cacactgngc 420
ggccggtctt agnggatccc aactcggtac caacntggcg taatatgggc atactggt 478
```

<210> 918

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 301, 329, 332, 341, 403, 415, 417, 423, 433, 436, 456, 460, 476

<223> n = A,T,C or G

<400> 918

```

ccagtcaggg atgaggatgg ggcccgaggg tctaaagaag gcactagagg gacagggacc 60
gctttgggtc tcacccagtc aagttcacag tctgccctct tagtgtgagg aaatggggct 120
tgaggtagcc tggtttacttg gcgctggggc aagccctcca tctcctgaga tggcctcatg 180
tgggaagaag gcggaaggga aaggtcggct ttgggaaata tcctatatgt cttgtcccga 240
aaggcttgtg gcgggggctt ccttgcttcc aagggaatgc ttggggaacg ttgggcgggt 300
ncccttctta aatgcttcaa aaaccttcng gnccggcgaa nccaccgctt taaaggggcc 360
gaaatttcca aaccaccact tttggcgggg ccggttacct aantgggaat tccnancct 420
tcnggtaccc aangcntttg ggcgtaaaaa tcattngggn caataaacct tgtttntt 478

```

```

<210> 919
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 31, 340, 342
<223> n = A,T,C or G

```

```

<400> 919
aaaaaaatta aagtttccat ttttttttta naataaagat ttagtgcaca aatacagccc 60
aaagccaaca gaaaaattgc tttgccctgt catttcccta agaaagcact gaagttaact 120
caaaataggc tgaaagaaaa aaagcaatcc tctgagttct aggtttcaca aaaggaccac 180
gtgtttaaact atgtcatcga tttgatgtgc aagtatgcaa taaatatgta cacatacatt 240
cctatctgct ttacatcat tctaaagtat tcatagtata tcaaagaagg gatttagaaa 300
tgggaaaagg ccataacagt gaaaaggaaa aaaaagatn cnatagtttt taaacca 357

```

```

<210> 920
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 277, 284, 349, 396, 420, 430, 462, 494, 542, 553, 569
<223> n = A,T,C or G

```

```

<400> 920
aaactacctg ttaatataag ggattttag tagtgccttg ttgagcaatg actttgaatc 60
tagttttcag tgatcagaag cagcagttat ttgagtgtat gaatggaatg atgatcactg 120
tgctataatg tactgaaacc accatattac agaaatatat actacatatt ttccatctgt 180
agtttctcag aagggtatg gattaagttt gaactgtcaa atccttgcac acttctgtga 240
caccctgcc cattttctgt ctttaattaa ccaaggnggt agngtgact gtcacaactg 300
gtatgttttc cagtaacta gaagtatgat atttgataat tatatttgn tttcaccacc 360
taaagttaat ggtgatttct caagaatgaa atgaangcac tacattgaaa tatggtttgn 420
ataaatttgn catggtgaac aacattttta catgggaagg tnccttacta tatgaatttt 480
ggcatgggtc aaanaaaca taaataaaac ctgccccggc ggcgtccaag gcgaattcca 540
cnacttgcgg cgntcaatgg accactcgnc cacttgggaa c 581

```

```

<210> 921
<211> 379
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 279, 294, 349, 363, 366, 371  
 <223> n = A,T,C or G

<400> 921  
 tgggcaataa agtttttggg gccctgaagg gagctgtgga tggaggcttg tctatccctc 60  
 acagtaccaa acgattccct gggttatgatt ctgaaagcaa ggaatttaac gcagaagtac 120  
 atcgaagaca catcatgggc cagaatgttg cagattacat gcgctcttaa tgggaagaag 180  
 atgaaagatg cttacaagaa acagttctct caatacataa agaacagcgt aactccagac 240  
 atggaggaga tgtataagaa agctcatgct gctatccana aaattcaatc tatnaaaaga 300  
 agccccagaa agaagttaaa aagaagaagt ggaaccgcgc caaatgtnc cttgcttaaa 360  
 aanaangatc nggtagctt 379

<210> 922  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,  
 424, 439, 446, 461, 469, 473, 499  
 <223> n = A,T,C or G

<400> 922  
 aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60  
 gcttctgtgg aaccatggaa gaagatgaaa atgagactgg gcaaagaaac aaatgcttga 120  
 atctgnaaga aagaagggac aacttttggg caaataatct gctacccttt taattgggaa 180  
 ataagaatgg gaaaatatga atgcttaatc aaatttttta aaaaatcccc nccccgatcc 240  
 acttaatacn ggaatatttc ttctcaaatt cttctaacc ccatcaacatt cttcaagtat 300  
 ttnaaatact attaatagc acctttgtat tntnaaccaa acaaaacaag ggccncagtt 360  
 catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420  
 gannttaaac ctttgggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480  
 tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540  
 tg 542

<210> 923  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 176, 230, 241, 280, 282, 284, 291, 296, 297, 308, 328, 329,  
 336, 353, 372, 373, 399, 406, 420, 423, 434, 436, 444, 456,  
 457, 464, 474  
 <223> n = A,T,C or G

<400> 923  
 aaatgcaggg aaactcaatg tttttttaag ttttgttttc cctttaaagc ctttttttag 60  
 gccacattga cagtgggtgg cggggagaag atagggaaca ctcatccctg gcgtctatcc 120  
 cagtgtgtgt ttaacattca cagcccaaaa ccagatgtg tcttggaana cttgncaag 180  
 gcattcctat tcaccatcgt gtttgcaag gttaaaacaa aacccaaaaan ccccaaaatt 240



```

naaaacccaaa aaaacccaaaa accccagaaa aaaaaaaaaan tnancctttg nttttntttt 300
caaccccntc aaaaggggaa caacttcnnt tgcctngggg ttcccaagga acntcttggt 360
taacctggcc cnaaaaaact gggttttgtc ccaccattnc aaaaantggg ggggggtttn 420
aangcttggg gggntngctt tgtnggaacc tcggcnngaa cccncctaag gggngaattc 480
cac 483

```

```

<210> 924
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 212, 229, 246, 251, 253, 269, 282, 299, 304, 320, 322, 325,
335, 350
<223> n = A,T,C or G

```

```

<400> 924
cctgagggag atcagttggc aacccaagta gaagggggccc atgctgctct tctggaacaa 60
gggtctgagc aggtgctgaa ggacccctc ggtggagtth gaaatgtagc tgagcccttg 120
cccatatctg gtgaaatact ggaagaattg gaagaatggg tgaaatttga agtgtgaagg 180
gggtctttcaa ggggtgggtcc cccatgggct gnttgtggct ttttgacana agaaggcaag 240
aaatgntggg ngnttgcttt ggaagttgna agaagggtta tnttgaccag gtcatttgna 300
accngtaaag gaaaagcttn cnttntccaa aaagnagggg ccaaaaacttn cccggcgggc 360
cttcgaaaag gcgaattcc 379

```

```

<210> 925
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 270, 291, 294, 296, 324, 329, 395, 402, 424, 428, 442, 446,
456, 482, 483, 495
<223> n = A,T,C or G

```

```

<400> 925
gtggccgcaa agaagacgaa aaagtgcgtg gagtcgatca actctaggct ccaactcggt 60
atgaaaagtg ggaagtacgt cctgggggtac aagcagactc tgaagatgat cagacaaggc 120
aaagcgaaaa ttggtcattc tcgtacaac tgcccagctt ttaggaaatc tgaaatagag 180
tactatgcta tgttggttta aactgggtgc catcctacag tggcaattat attgaactgg 240
gcacagcatg cggaaaatac tacaaaatgn gcacactggc tatcattgat ncangngact 300
ctgacatcat tagaagcatg ccanaacana ctgggtgaaaa gttaaacttt tcacctacca 360
aatttccttg caaaccttaa acctgcaaaa ttttncctta tnaaatttgc ttgtttacct 420
gccngggcngg cgtcgaaagg cnattncaca cacttngcgg cgtacttatg gatccagctc 480
gnnccaactt ggcgnaatat gggcatactg g 511

```

```

<210> 926
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> 265, 281, 306, 318, 326, 333, 342, 354  
 <223> n = A,T,C or G

<400> 926  
 ctgtggggct cggccccaac cccggcccca ccccggcctg gcgctgtctg agaagagggg 60  
 atctgagggg agatccaggg atcaggcagg atagggatgg ggcaggacat gaagcttggg 120  
 ggatgcagaa ggttaggtgg gaagaaggct acccggaagg aaagaaatga aggcttggtg 180  
 gggggagggg aagaaaagaa gaaccaaaga agaagaagaa ggaagcaatt tggggggcca 240  
 gaccttgccc gggccggccg cttcnaaaag gccaatcca ncacacttgg ccggccggtta 300  
 cttatngaat ccaacttngt acccancttg gcnatcatt gncatagctg tttnccttggg 360  
 a 361

<210> 927  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 158, 310, 320, 331, 335, 357, 366, 369, 405, 410, 425, 436  
 <223> n = A,T,C or G

<400> 927  
 aaactacctc aaaacacttt cccatgagtg tgatccacat tgttaggtgc tgacctagac 60  
 agagatgaac tgaggtcctt gttttgtttt gttcataata caaaggtgct aattaatagt 120  
 atttcagata cttgaagaat gttgatgggt ctagaaanaa tttgagaaag aaaatactcc 180  
 tggattgagt tgtatcgtgg ggggtatttt tttaaaaaaa tttgaattaa cattcatatt 240  
 tttccattct tatttcctaa ttaaaagtat tgccagaata ttttggccaa aagttgggtcc 300  
 tcttctttan aatcaagcan ttggtctttg ncaantcat tttcatcttc tttcatnggt 360  
 ccacanaanc tttgtttctt gggcaaagca gaaaaattaa attgnacctn ttttggatat 420  
 ttganaaggt taaatnaatt gggaaaaaaa tgaaataaag catggttggg ttttccaagg 480  
 aaaaaa 486

<210> 928  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 273, 305, 371, 391, 404, 414, 422, 428  
 <223> n = A,T,C or G

<400> 928  
 cccagcttct cgagaggctg aggcaggaga atggtgtgaa cctgggaggc ggaacttgca 60  
 gtgagccaag atcgcgccct gcaactccagc ctgggtgaca aagcaagact ccgtctcaaa 120  
 agaaaaaaaa gaaaatattt gtaattaaat gaaaatgaaa acacagtata tcaaaatttg 180  
 tggggatcca gcttaatcca gtggttttaa aaggaaactt cagcttttaa aagaaaagg 240  
 cttaaaatca agtggaacct taccatttct tgncccttat taagaaaagg aagaaaatct 300  
 taaantttgg aaagaagaaa atttatttta aggaagcctt aaaagggtta attggaagaa 360  
 ttggaaaaaa nccaaggggc cccgggggtt naaagggttg ggcnttcaac cttnccttgg 420  
 tnaaattncc cccaaccaac c 441

<210> 929  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 169, 180, 183, 190, 286, 302, 367, 377, 380, 399, 411,  
 425, 428, 446, 447, 458, 461, 462, 471  
 <223> n = A,T,C or G

<400> 929  
 cagggttttg gtacnattcc ggggtcatccg cagaaattcc tcatagatgg caactcttgt 60  
 ctactctccg agccagtggc gagaagttac acagggagtc caccocgggtg tgggtgcctgt 120  
 tggggacaga cctgaatggt gaaacttgac agtcagaaaa ataactctng atgctgctgn 180  
 ttnggaagan ttggttgagc ccatacctcaa tattcctttt gttcctctgg taattgggtg 240  
 tgcctggctg ggctttgtcc tgggaatatg gtaggttggg gatggngaaa ttcattgtaa 300  
 antgctgggt gctggaactg cttgttgggt gataaactga tgactccatt tctgcacatg 360  
 gatgccncca actggtnggn ggagcccacc aatgacctng gccgggaccc nctaagggcg 420  
 aattncanac actggggggc gtctanngga tccaactngg nncaacttgg ngaatatggg 480

<210> 930  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 930  
 aaaagggggg gggctagctt gaaacaagct tacagtggcg tgaagcatag tggcgtgaaa 60  
 gcaaggatac agaggcagca caaaggcaat taattcatca aattgtggca ggtgcataat 120  
 tcaggattac atactgtgtc ggaattgatg ggttcttggg ctactgact tcaagaaaga 180  
 agcacctgcc cggg 194

<210> 931  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 211  
 <223> n = A,T,C or G

<400> 931  
 cgagggtccac agctccctct tgcgctgtat gacatcgctc tcaaaccact cggcctgatt 60  
 ggaaacccag aacatagcca cagggaagt gagggaaaat tatcatccga atatctccag 120  
 tttaacccat ctacctgccg ggcggccgct gaaggcaatt cacacacttg cggcgtctat 180  
 gatcgactcg acaacttgct atatgctact nttctgga 218

<210> 932  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 932  
 aaaaattagt ctgtactcaa atgcatagtt aaaaaatgaa gcgagatggc agtttgtgca 60  
 gtaatatctg cccttcgaag ttcatgcaac caactaatgc aattttt 107

<210> 933  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 235, 242, 259, 279, 297, 302, 310, 315, 324  
 <223> n = A,T,C or G

<400> 933  
 ctgcagccca tcttcccggc tccctcctag tctgtcctgc gtctctgtgc cccgggtttc 60  
 agagacaact tcccaaagca caaagcagtt tttcccccta ggggtgggag gaagcaaaaag 120  
 actctgtacc tattttgtat gtgtataata atttgagatg ttttaattat tttgattgct 180  
 ggaataaagc atgtggaaat gacccgaaaa aaaaaacctt ccccgggcgg gccgntcaaa 240  
 angggcaaat tccaacacnc ttggcggcgg gttactaang ggatcccaac tcgggancca 300  
 antttggggg aaaaanattgg gcanaacttg tttcccctgg 340

<210> 934  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 934  
 tatttgcccc aagttgtcct cttcttcaga ttcagcattt gttctttgcc agtctcattt 60  
 tcatcttctt ccatggttcc acagaagcct tgtttcttgg gcaagcagaa aaattaaatt 120  
 gtacctatct tgtatatgtg agatgttt 148

<210> 935  
 <211> 646  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 404, 480, 530, 531, 534, 580, 589, 594, 597, 602, 606, 609,  
 615, 620, 621, 628, 633, 638  
 <223> n = A,T,C or G

<400> 935  
 aaaaggcttc ttgtgattaa aagagaaaat tctgaaaacc acagcaacat atctatgctg 60  
 tttccaagca tacaaagaga attagaacat ctgagacaac tatgggtcca aacaatcaga 120  
 agaagggtta gttttctttt ctctatttga taatgtcaaa atgatgtgtc atctattgag 180  
 ccatactatg gagtagcagg ctactagtta gatgccttcc ccagttaaca gcacatatcc 240  
 aaaggacagc tagccaagtg ggaagggtgg aggtaaatgc tcatctgggc taggcaacca 300  
 ccacagcaag caggtccctt ctacgccttg cttggcaatg agctgcttct gagaagccac 360  
 agctatctgt ggttgagagc tcaactccct gaggcattgc aganaacaag agacatgggc 420  
 tgtggggcag cttttcaata aaactgagag gcacatcaac atggcacttg tatgtgtccn 480  
 cttaaggatt atgataaaca tgccaatttc caaaaggtaa attattaaan naanatttgg 540  
 gaccttgccc cgggcggggc cgttaagggc gaaattccan cacccttgng ggcngtncct 600

antggnatnc caacntcggn nccaaacntt ggnggaanca tgggca

646

<210> 936

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 27, 61, 95, 98, 142

<223> n = A,T,C or G

<400> 936

ctgattttat ttccttctca aaaaagntat ttacagaagg tatatatcaa caatctgaca 60  
ngcagtgaac ttgacatgat tagctggcat gattnttntct ttttttcccc caaacattgt 120  
ttttgtggcc ttgaatttta anacaaatat tc 152

<210> 937

<211> 393

<212> DNA

<213> Homo sapiens

<400> 937

aaaaaaactt tatataacaa tctgcataaa tctcataact gggagcacta taccaggag 60  
gttttcttac cagaaaagtt catatcctct ttgcaatttt cttttaattc tacaggaaag 120  
aggaaattat ggttgggatg gatgaaaaag gaccacatac tgggccagga ggtaaagtat 180  
cttattttgc caactgtttg ggcactctgtg tgcccatttt ttatttggaa gatctaaatt 240  
aattttggtg ctcaaaaatc aacctttaca atcttacaca ttacctctt tcaagatagt 300  
gcctgagcct agaggggaaga tgcttatata gtttttagcag tggagcatta gcattgaaaa 360  
tagatcgggc ccagtgggat tctgaatagt ttt 393

<210> 938

<211> 439

<212> DNA

<213> Homo sapiens

<400> 938

aaaacttggc tgggattctc aacatatctt atcaataata catgtataca atccaaaagg 60  
tgcagtggct tcttcattct gttccagaat ggatcccgtg atttgaacaa ctgatcataa 120  
acttctagta gtctaggtaa tggtaactcca atttcattca ttgtctgtat tacgaagccc 180  
acatcccagt tcaaaagtaca aacctgctgt tctaaaaact gtacaataaa atctaaagga 240  
aagaagcgtg gtgtgccagc ataaattttg ccaaggagaa caatcttgag actaagagca 300  
tgcattctat ccgaggagct caatgtcaca ctgtcactca attctttctc tatgatattct 360  
tgccaaagtg tctgcaccaa tatagggtct gaataaccog gcacaatgaa ttattgcaag 420  
tttgactct tgcaagttt 439

<210> 939

<211> 568

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 409, 467, 479, 483, 497, 514, 519, 537, 538, 556, 557

<223> n = A,T,C or G

<400> 939

```
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gccacagtg aagttcctca cgccctgcta tcaccccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtggct tgccctgtat gatgtcagga 180
ccattctgct ctacatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagcttttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gaccaggtgt gccagcctgt ccttgtgtcg 360
tctttttaat ttttcttaga tggctgtcct ttttgtgatt tctggatang gactctttat 420
cttgagctgg gggatttttg gtttggtttt gctttttacc ttgcccnggc ggccgttcna 480
aangggcgaa attccancac acttgcgggc ggtnactant ggaatcccaa cttcggnncc 540
caaacttggg cgtaannatt gggcataa 568
```

<210> 940

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 360

<223> n = A,T,C or G

<400> 940

```
gcgaggagat cgccattatc cccagcaaaa agctccgcaa caagatagca ggttatgtca 60
cgcatctgat gaagcgaatt cagagaggcc cagtaagagg tatctccatc aagctgcagg 120
aggaggagag agaaaggaga gacaattatg ttcttgaggt ctgagccttg gatcaggaga 180
ttattgaagt agatcctgac actaaggaaa tgctgaagct tttggacttc ggcagtctgt 240
ccaaccttca ggtcactcag cctacagttg ggatgaattt caaaacgcct cggggacctg 300
tttgaatttt ttctgtagtg ctgtattatt ttcaataaat ctgggacaac agcaaaaaan 360
aaaaaaaaa a 371
```

<210> 941

<211> 174

<212> DNA

<213> Homo sapiens

<400> 941

```
aatggcggag ctgggcgaag ccgatgaagc ggagttgcag cgctgggtgg ccgccgagca 60
gcagaaggcg cagtttactg cacagggtgca tcacttcatg gagttatgtt gggataaatg 120
tgtggagaag ccagggaatc gcctagactc tcgcaactgaa aattgtctct ccag 174
```

<210> 942

<211> 256

<212> DNA

<213> Homo sapiens

<400> 942

```
ctttgtggac attggcccag tctgtttcaa ataaatgaac tcaatctaaa ttaaaaaaga 60
gagaaatttg aaaaaacttt ctcttttgca tttcttcttc ttctttttta actgaaagct 120
gaatccttcc atttcttctg cacatctact tgcttaaatt gtgggcaaaa gagaaaaaga 180
aggattgatc agagcattgt gcaatacagt ttcattaact ccttcccccg ctcccccaaa 240
aatttgaaatt tttttt 256
```

<210> 943  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 443, 507, 514, 549, 552, 553, 599  
 <223> n = A,T,C or G

<400> 943  
 ctgtgtgtgc atagtaaagc aggagatccc cgtcagttta tgcctctttt gcagttgcaa 60  
 actgtggctg gtgagtggca gtctaatact acagttaggg gagatgccat tcaactctctg 120  
 caagaggagt attgaaaact ggtggactgt cagctttatt tagctcacct agtgttttca 180  
 agaaaattga gccaccgtct aagaaatcaa gaggtttcac attaaaatta gaatttctgg 240  
 cctctctcga tcggtcagaa tgtgtggcaa ttctgatctg cattttcaga agaggacaat 300  
 caattgaaac taagtagggg ttctttcttt tggcaagact tgtactctct cacctggcct 360  
 gtttcattta ttgtattat ctgcctggtc cctgaggcgt ctgggtctct cctctccctt 420  
 gcaggtttgg gtttgaagct gangaactac aaagtgatga ttctttttt atctttatgc 480  
 ctgcaatttt acctagctcc actaggngga tagnaataatt atcttatgtt cctcaaaaa 540  
 aaactcggnc gnnacccccct aagggcgaat ccaccccttg cggccgtata tggatccanc 600  
 tcggaccaac ttgggaatat ggcataac 628

<210> 944  
 <211> 516  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 444, 473, 494, 500  
 <223> n = A,T,C or G

<400> 944  
 ccataatggt ttgttggggg tgagggaaaa aacccacagg gaccagaatg ttttgttggt 60  
 cttttgtttt cttttttgta ccaaagtcaa ctgcacgtgt ttatatattt taagagatcg 120  
 taggcaatta gagatcgaag cctcctatct ccacatctct gaagaagttg aggggtgggg 180  
 gagagaatga cttctgcctt catctgcagt aacgggggga cctatactga cctcttcccc 240  
 agccatttag aaacaagttc taggggtggg tggaatatct ccaagagccc tgacctcatc 300  
 ttccacctca gcaaccatga cctgaaacct cagcgtgaat ttgggggatt tttcagtggg 360  
 acccttgccc ccaaatgtcg accagcccc aaatgtcgaa gaattttctt cttgccaatt 420  
 ttgttggtta cctgcccggg cggncgctcg aagggcgaat tccagcacac ttngcggccg 480  
 tctagtggat ccanctcgtn ccaacttggc gtatct 516

<210> 945  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 945  
 ctgtacttgg aaccctaata cctgggtgga tgtggtctct tgtaacttaa gagcaaatgt 60  
 ttgtgatgac atgcacgggt gggcagaggt tgaaaagaac aggggtctac ggaggagcca 120  
 ggccagccac gtgagacct tctttctaag ttggcttctt gtccattcct ggggattggg 180

```

gaaagaacga cagaacttac cttccatctt ccttctcaca agcagtgttt tgggtgtccc 240
caaaaggagg aggcaagaac tcaggtgtgg ggtggagggg atggggctgg ctaaagaagt 300
gagtatgacc ccagaggcca gagagggcag ggagagaatg cctgg 345

```

```

<210> 946
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 498, 528
<223> n = A,T,C or G

```

```

<400> 946
tggaaatgta aagaaggccc tgaagctgat ggggtcaaat gaaggtgaat tcaaggctga 60
aggaaatagc aaattcacct acacagttct ggaggatggt tgcacgaaac aactgggga 120
atggagcaaa acagtctttg aatatcgaac acgcaaggct gtgagactac ctattgtaga 180
tattgcacc tatgacattg gtggtcctga tcaagaattt ggtgtggacg ttggccctgt 240
ttgcttttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta actccatatg 300
tgttcctctt gttctaattc tgtcaaccag tgcaagtgac cgacaaaatt ccagttattt 360
atttcacaaa tgtttggaaa cagtataatt tgacaaagaa aaatgatact tctctttttt 420
tgctgttccc caaatacaat tcaaattgct tttgttttat ttttttacct aattccaatt 480
tcaaaaagtc tcaatggngc tataataaat aacttcaacc tctttatnca aaaaaaaaaa 540
aaaaaaaaaa acc 553

```

```

<210> 947
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,
628
<223> n = A,T,C or G

```

```

<400> 947
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgatcct caatattcct tttgttcctc tggtaatttg tgggtgcctg 240
ctgggctttg tcttggaat atggtagggt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcaggtctt atctagaaag 420
acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agtgaccaac 480
accggagtcc atcntcaatt tgggtgaccag gcanaaaccg gaatgnggca ttgtantttg 540
actgnctttg tanantgggg gngaacacct tcggccgcga accaccctta nggggaaatt 600
tccanccct tggggggcgg ttntanngg gatcc 635

```

```

<210> 948
<211> 271
<212> DNA
<213> Homo sapiens

```



<400> 948  
gaagattccc gagagtaaat catctttcca atccagagga acaagcatgt ctctctgcca 60  
agatccatct aaactggagt gatgttagca gaccagctt agagtcttc tttctttctt 120  
aagccctttg ctctggagga agttctccag cttcagctca actcacagct tctccaagca 180  
tcaccctggg agtttctga gggttttctc ataaatgagg gctgcacatt gcctgttctg 240  
cttcgaagta ttcaataccg ctcagtattt t 271

<210> 949  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 949  
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60  
agggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctctc 120  
ccatgttaaa tagcacctt agaaaaattc acaagtcc 158

<210> 950  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 950  
ctgaacagag aaaggaatta aaacgcttta attaaaaaat cacgagtgga tgataaagtg 60  
tgtagaaact gaaaatttac aaactattt 89

<210> 951  
<211> 146  
<212> DNA  
<213> Homo sapiens

<400> 951  
ctgggggccc tcaccctgca tegtcttgcg tctcttggca ggcacaccac tgaggtaggc 60  
atcactcaga gggggctgcg gtttcacctt ccgctggctc tgaatgtcct gctggataat 120  
agggacccat tctgggggga ctgcag 146

<210> 952  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 952  
ctgatcgctc ttagccagtc caatctctac gaggaactgg catatgttct tgcgttggtc 60  
accctgtagc tgaattactt ctccatattc cggatgctca attacagtac cattgcaggc 120  
aaactttttc ttaaagcctt tcactagttt ctttttatcg taatcatcag cgatcccttg 180  
gacagtagta agggctcttc tgccgtttct ctgttgaatt ctt 223

<210> 953  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> 416

<223> n = A,T,C or G

<400> 953

```
ctgaacagcc aaatgcatgg tgcagttgac agcaggtggg aaatggtatg agctgagggg 60
ggcctgccc aggggcccac agggaaccct gcttgcactt tgtaacatgt ttacttttca 120
gggcatctta gcttctatta tagccacatc cctttgaaac aagataactg agaattttaa 180
aataagaaaa tacatgagac cataacagcc aacaggtggc aggaccagga ctatagccca 240
ggtcctctga taccagagc attacgtgag ccaggtaatg agggactgga accagggaga 300
ccgagcgctt tctggaaaag aggagtttct aggtagagtt tgaaggaggt gagggatgtg 360
aattgcctgc agagagaacc ttgttttggt ggaaggtttg gtgtgtggag atgcanaagt 420
aaaagtgtga gcagtgaatt cagcgagagg c 451
```

<210> 954

<211> 322

<212> DNA

<213> Homo sapiens

<400> 954

```
aaattgcatt cttttcaaatt ttataagtct aagaaaacaa aaccaataaa aagaagccat 60
ttcaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120
aggtaatact ctgcacccca ttcttctaac acagaaaact ttctcaggta aactgtgggg 180
ttatgagaat cccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300
cgccagtaaa tcttcaaggg tg 322
```

<210> 955

<211> 226

<212> DNA

<213> Homo sapiens

<400> 955

```
ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60
atctctggat ttctgtagtg gcttttagtca ggcataattt tcatcatatt agcagtgttc 120
agttcctgcc caacatcttt atttaatccc aattcagtgcc ttatggatgc tcagctcatg 180
tttaatgttg caagccccat cttagcccat cttaattcaa acagaa 226
```

<210> 956

<211> 232

<212> DNA

<213> Homo sapiens

<400> 956

```
gatgatgtgg ctttgaagaa ctttgccaaa tactttcttc accaatctca tgaggagagg 60
gaacatgctg agaaactgat gaagctgcag aaccaacgag gtggccgaat cttccttcag 120
gatatcaaga aactagactg tgatgactgg gagagcgggc tgaatgcaat ggagtgtgca 180
ttacatttgg aaaaaaatgt gaatcagtca ctactggaac tgcacaaact gg 232
```

<210> 957

<211> 247

<212> DNA

<213> Homo sapiens

&lt;400&gt; 957

```

ggcccaggcc gccacctgca accacactgt gatggcccta atggcttccc tggatgcaga 60
gaaggcccaa ggacaaaaga aagtggagga gcttgagggg gagatcacta cattaaccca 120
taagcttcag gacgcgtctg cagaggtgga gcgactgaga agagaaaacc aggtcttaag 180
cgtgagaatc gcggacaaga agtactaccc cagctcccag gactccagct ccgctgcggc 240
gccccag                                     247

```

&lt;210&gt; 958

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 958

```

aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgcttttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatcaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tggtgatgac actcagtatg gactatattt gtctctcctt ttcttttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc tttttctata cttgcttgca 300
tttttgcttt aatgtcttct acagaactag gtccttttgg tgttttagga gtttttctt 360
gtttcttgaa ggattcttgt cctttacctc gccgcgacca 400

```

&lt;210&gt; 959

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 523, 550, 556, 582, 610, 617, 620

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 959

```

gagcgccgct ccggtgcac cgcgctcgct ccgagtttca ggctcgtgct aagctagcgc 60
cgctcgtcgtc tcccttcagt cgccatcatg attatctacc gggacctcat cagccacgat 120
gagatgttct ccgacatcta caagatccgg gagatcgcgg acgggttgtg cctggagggtg 180
gaggggaaga tggtcagtag gacagaaggc aacattgatg actcgctcat tgggtggaat 240
gcctccgctg aaggccccga gggcgaaggc accgaaagca cagtaatcac tgggtgctgat 300
attgtcatga accatcacct gcaggaaaca agtttcacaa aagaagccta caagaagtac 360
atcaaagatt acatgaaatc aatcaaaggc aaacttgaag aacagagacc agaaagagta 420
aaaccttttt atgacagggg ctgcagaaca aatcaagcac atccttgcta atttcaaaaa 480
ctaccagttc tttatttggg gaaaaacatg aatccagatg ggnttgggtg ctctattgga 540
ctaccctgan gatgngtga ccccatatat taatttcttt anggatggtt taaaaatggg 600
aaaatgttan caaatgnggn aattattttg gg                                     632

```

&lt;210&gt; 960

&lt;211&gt; 206

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 960

```

cgctcagacc ctgtcttccc taccactggg tacagatgga tgcggcgaag tcaagagaac 60
caatggcaga aggaggagtg tagagcttac atgcagatgc tgaggaggtt gttcacagca 120
atccgtgccc tgttcctggc tgtctgtgtc ttgaaggatc ttgtgtcctt ggtttccttg 180
ggagtaggtc ttcgaaactt gtgtgg                                     206

```

<210> 961  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 961  
 ctgccaaagga gaccctgtta tgctgtggg actggctggg gcatggcagg cggctctggc 60  
 ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120  
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180  
 agcatgatct tcaccttgat gccc 204

<210> 962  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 962  
 aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60  
 gatgcaaagt ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120  
 tctgctttca cttaagtgtc tggcccgcga tactgttaga acaagcatga tcttgttact 180  
 gtgatatttt 190

<210> 963  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 387, 452, 458, 473  
 <223> n = A,T,C or G

<400> 963  
 aaagttaact ggataactaa agaaatgatg cagacatttt aatccagtgc tataggtagg 60  
 ctacacagaat tagacccaaa ggatttghtaa aaacaaaaat ggaaacagta tagctacaat 120  
 gtcaaagtca ggaaagaaga aaatttactt ccgtattcaa ggattacaga gctacaaatg 180  
 cagtctgtgt gtttttgttt gtaatgagat ggataagtac atcagactag atacaacatg 240  
 cagaatgttt tcctgaactt atccggaaat tccaaagaaa acatcatgaa acagcttaca 300  
 aaaaaaaaaa tatatgccct agttattcac cctgcttcaa cactgtcaac gtaaaggcag 360  
 aaataaagca agctatcaat acctcanaac tactgatata agacatcaaa tttctaaatc 420  
 agtgtattaa aaaagtgaac acttcctctt tnttttntt ctacattaac tanaacatgt 480  
 tacctcggcc gcacc 495

<210> 964  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 355, 363, 378, 394, 409, 412, 429, 447, 451, 454  
 <223> n = A,T,C or G

```

<400> 964
ctgggtgaca aagtgtcac agttcctgct cacaatactg tacttcatct tctgaccaac 60
catctccttc gcagaactga tgatcacctc cacgggccgt ggttggtact catggtccaa 120
gctgttggtg acccgatagc aacagcctcc caccacatct tccaggcgct cccgtttcac 180
ctctgcactg ttgctcagga ctgagaagac actggaggag ccagccccgg ggtactcact 240
tggaggagcc agatggatca cgtagccatc tcctatatac agggcccagt gctcatagcc 300
aaggcggaat atctcaatca ggtctccagg tttgggctct tgggtgtggc gaaanccatc 360
tcnaaaccca aaccttgncc gggcgggcgg ttcnaaaagg gcgaaattnc ancacacttg 420
gcggggccgnt acttaattgg gatcccnagc nttinggtacc aacctttggg cg 472

```

```

<210> 965
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606
<223> n = A,T,C or G

```

```

<400> 965
ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttgggtg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgctgg 240
ctgggctttg tcctgggaat atggtagggt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangett ggggtccaaat tggaggagaa caatgncttg acaagtgacc 480
aacacngagt ccatcgtaaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgccttttag aatgnngggac cttgcctgga tgnccacaca gggngatgnc tttgaagatn 600
ggggngtgaa tactgaggtc ca 622

```

```

<210> 966
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 13, 14, 27, 37, 39, 54, 56, 69, 73, 87, 88, 103, 104,
105, 172, 174, 190, 191, 192, 201, 222, 229, 246, 250
<223> n = A,T,C or G

```

```

<400> 966
tggtcacnct aannaccaca ggtgttncac ctgtganana gggtcatatg caantntgct 60
gatgaatant gancaattat tgaacnnta acattttatt gcnnnctggg tggaatctca 120
caattagaga ttattttccc ttttcttgga tatggcattg ctggtggtgc ancnatggag 180
agggtttcan nnccactgg ntcaaaagtg agggggcaaa angaacctna atgtgtgtgt 240
gtgtgngtgn gtctg 255

```

```

<210> 967
<211> 337
<212> DNA

```

<213> Homo sapiens

<400> 967

```
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagg ctgggcagaa 60
aggagcagga cttgggacag acgactgaag atgcagagac cccatgggcc ccacccctgg 120
gccttcctcc catgtggctg caggccatcc tctctgatca ctgctgggtt gcttcctggg 180
taaaggcca gaaggtgaag gagatgggct tttcaggcat cagaatgagg ttgaatgtgg 240
tgccacatc gctgaggtgt tggatttcaa ctctgaagtt ctccagcata ttgatgagga 300
agatggtcat ctctagctca gcgatccgcc gtccag 337
```

<210> 968

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 11

<223> n = A,T,C or G

<400> 968

```
ctgaaagatt nactgcctga acatctgaaa ttgacaactc tgggacatct ggagaaagct 60
gtagtcttgg aattaacttt gaaacactta aaagctttta cgccttaac cgagcaacag 120
catcagaaga taattgtttt acagaatggg gagcgatctc tgaaatcgcc cattcagtc 180
gacttggatg cgttccactc gggatttcaa acatgcgcca aagaagtctt gcaatacctc 240
tcccggtttg agagctggac acccagggag ccgcggtgtg tccag 285
```

<210> 969

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 418, 421, 441, 464, 481, 487, 499, 510, 512, 517

<223> n = A,T,C or G

<400> 969

```
atggctttta aggataccgg aaaaacaccc gtggagccgg aggtggcaat tcaccgaatt 60
cgaatcacc taacaagccg caacgtaaaa tccttggaag aggtgtgtgc tgacttgata 120
agaggcgcaa aagaaaagaa tctcaaagtg aaaggaccag ttcgaatgcc taccaagact 180
ttgagaatca ctacaagaaa aactccttgt ggtgaagggt ctaagacgtg ggatcgtttc 240
cagatgagaa ttcacaagcg actcattgac ttgcacagtc cttctgagat tgtaagcag 300
attacttcca tcagtattga gctaggagtt gaggtggaag tcaccattgc agatgcttaa 360
gtcaactatt ttaataaatt gatgaccagt tgtaaaaaaa aaaaaaaaaa aaaacttnc 420
ngggggggcg ttcaaagggg naatttcccc ccacttgggg gcenttttta gggaatccga 480
nctgggncca accttgggna aataatggcn anactgnctc 520
```

<210> 970

<211> 162

<212> DNA

<213> Homo sapiens

<400> 970

```

aaatTTTTca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcattcttaag tttccaaata cttttgaagg ctaatgcagc ag 162

```

```

<210> 971
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<400> 971
aaaaagtatt ctagcacaag atttttctgt aaactagatt atgttgtaaa cttttttcta 60
aatcttgtag gagtgtcggg tggttaagaac tagagcttat tcctattcca aatctatctt 120
gcgctcctga aaagctgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180
tttttatctt tgctggtaat atattgctgc actgagtggt tgcaattttt attcaagggtc 240
atcgtgatgc tgag 254

```

```

<210> 972
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 290, 291
<223> n = A,T,C or G

```

```

<400> 972
tggcagcctc agctctgtgc ccctcacctt gctccctctc gccctttctc tcccacccct 60
tccttctgag ccggggccctg gggattgggg agccctcttg ttcctgatga gggtcagggc 120
agatgaaagt gttgaaaaga ggtcaaattg aaacaaaggc tcttaccgcg tgtatttcag 180
acaggactga ggcacttagc cgaggagcca ctgggttatt agattaattt caaaagagct 240
tttacaagtt gcttaattcc tttttttttt tttttttttt aaaaaccccn naacccc 297

```

```

<210> 973
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<400> 973
agctgatcca gaaggagctc accattggct cgaagctgca ggatgctgaa attgcaaggc 60
tgatggaaga cttggaccgg aacaaggacc aggaggtgaa cttccaggag tatgtcacct 120
tcctgggggc cttggctttg atctacaatg aagccctcaa gggctgaaaa taaataggga 180
agatggagac accctctggg ggtcctctct gagtcaaatc cagtgggtggg taattgtaca 240
ataaattttt tttggtcaaa ttcaaaaaaa 270

```

```

<210> 974
<211> 712
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 383, 494, 521, 529, 530, 566, 591, 651, 667, 679, 680, 688,
699, 711, 712

```

<223> n = A,T,C or G

<400> 974

```

aaactcacat aggtaggtat ctttatagtt gtagactatg gaatgtcagt gttcagccaa 60
acagtatgat ggaacagtga aagtcaattc agtgatggca acaactgaagg aacagttacc 120
ctgctttgcc tcgaaaatgt catcaatttg taattttagt attaactctg taaaagtgtc 180
tgtaggtagc ttttatatta tataaggaca gacaaaaaat caacctatca aagcttcaaa 240
aactttggga aagggtggga ttaagtacaa gcacatttgg cttacagtaa atgaactgat 300
ttttattaac tgcttttgcc catataaaat gctgatattt actggaaacc tagccagctt 360
cacgattatg actaaagtac canattataa tgccagaata taatgtgcag gcaatcgtgg 420
gatgtctctg acaaagtgtg tctcaaaaaa taatatactt ttacattaaa gaaaatttaa 480
tggttctctg gagntggggc tcttggcttt cagagtttgg ntaatcaann gttgattcta 540
gatgataacc ttaaattggac cactcntgaa tgagacttaa ttttggcttt naaaattact 600
ggcttaaatc agtttattaa atctgaattt accttgcccc gggggccctt naaggggaat 660
tccccnctt gcggccgtnn aatggatncc actcgccna acttgggggt nn 712

```

<210> 975

<211> 266

<212> DNA

<213> Homo sapiens

<400> 975

```

aaatttgacc aaaaaaaatt tattgtacaa ttaccacca ctggatttga ctcagagagg 60
acccccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggcccccga ggaaggtgac atactcctgg aagttcacct cctggctcct 180
gttcgggtcc aagtcttcca tcagccttgc aatttcagca tcttgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctcct
266

```

<210> 976

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 322, 452, 484, 488, 530, 535, 539, 576, 578, 590, 593, 605

<223> n = A,T,C or G

<400> 976

```

aaaattaaaa ttaaatcccc tccctccagc acacacaaaa aaaacacaca acattagagg 60
aatgccaaaa atattctcta ttacaacttt tttaaattct ttaattaagg cattgggtccc 120
aacggtgcac atagattaag ggattttgct tcttcttgaa ctagatcatt tgtagaggc 180
ttcagaaaaa gaaaatttagc ttgaaatcta gtctgggaaa ttgggggcag ggaatgaaaa 240
agtttggtctc ttgtttctcc acgatacaca ggcttcccat cttaaagtcac gcttaactaa 300
aagggaaaaa aaatgaacca ancaaaagta tatagagtag ccgtgacatt tgcattattt 360
tctagacttt acatttgcct gcaacaggca taacatgaaa ctccagaggg aatttggatt 420
gatagggaat gttcacataa acacccacca gnggctaact gttacacaac atttcaagta 480
ttcnaaanaa ctgcctggag acaaaaagcg aagggtcccc agaccattt cccctceng 540
ttaggtcatg caccaggatg gtcccttccc aggtcnantg gaaatcaaan gcntgaaatg 600
gatcnggggc aggggaaacc tcggccc
627

```

<210> 977

<211> 390

<212> DNA



<213> Homo sapiens

<400> 977

```
ctgggtacca ttccgggtca tccgcagaaa ttccatcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccc gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgctg 240
ctgggctttg tccctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgct 360
caccaactgg taggtggagc ccagccaatg 390
```

<210> 978

<211> 375

<212> DNA

<213> Homo sapiens

<400> 978

```
ctccaggcgc cctcggccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgttgccc tgttgtaggt ggtagggaca cagatgaccg acctgggcac tccctcctgcc 120
aacattcagt ctggtatgtg aggcgtgcgt gaagcaagaa ctctgggagc tacagggaca 180
gggagccatc attcctgcct ggggaatcctg gaagacttcc tgcaggagtc agcggttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaac tgtagaagag aatcaagaag 360
aaaaataaaa atcag 375
```

<210> 979

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 451

<223> n = A,T,C or G

<400> 979

```
cgcggtgca ggggtccggtc ttcggtttgc acagctagag gccgcgcagc agcaaaggat 60
gagcggaacc ttgaaaaagg tgctgtgcct gaggaacaat accattttta agcaagcctt 120
ttctctctta aggttttagaa cttcaggaga gaagcccatc tattctgtag agagagacgg 180
tcttgcttgt ggcccaggct tgagtacagt ggcctgatca tagctccctg cagcctcgaa 240
ctcctgggtt caagcaatcc tctgcctca gcctctggag tagctgggat tacagggtgga 300
attctactaa gtatcagtcg gccctacaag acaaagccca cccacggcat tggaaagtac 360
aagcacttaa ttaaagcaga agacccaaga agaagaaggg aaaagtggaa gtgagagcca 420
ttaatttggg gacagattat gaatatgggg ntttacctgc cgggcgg 467
```

<210> 980

<211> 218

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 2

<223> n = A,T,C or G

```

<400> 980
nnacgagaag tcttcgaact gcctcctgct caaagtcaac cagattggct ccgtgaccga 60
gtctcttcag gcgtgcaagc tggcccaggc caatggttgg ggcgatcatg tgtctcatcg 120
ttcgggggag actgaagata ccttcacatg tgacctgggt gtggggctgt gcaactgggca 180
gatcaagact ggtgccccct gccgatctga gcgcttgg 218

```

```

<210> 981
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 461, 466, 509, 513, 551, 552, 568, 570, 585, 589, 597, 600,
601, 629
<223> n = A,T,C or G

```

```

<400> 981
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatagat gttgaacttg 120
ttgctgaggg caacagcagg ttcaacttaca ctgttcttgt agatggctgc tctaaaaaga 180
caaataaatg gggaaagaca atcattgaat aaaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcaaccttg gacatcgggt gtgctgacca ggaattcttt gtggacattg 300
gccagtgctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagcttgaa tccttccatt 420
tcttctgcac atctacttgc ttaaaattgg gggcaaaaaga naaaangaag gattgatcag 480
agcattgggc aatacagttt cattaactnc ttncctcggt ccccaaaaat ttgaattttt 540
ttcacatttt ncctgtatg gaaaatgnan cttttagtaa acccnattna aattganaan 600
naaccttaac tttccctgtg ggtttgaant ttccccaagg aattactccc cgcggcaagg 660

```

```

<210> 982
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 520, 554, 562, 563, 571, 572
<223> n = A,T,C or G

```

```

<400> 982
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaatttgt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcatttttc ttgtgcaaat tatactgttt ccaaacattt tggaaataaa 420
taactggaat ttgtgcggca ctgacactgg ttgacagatt agaacagagg aaccattgga 480
gtaaattttt cctgcccggc ggcgctcagg gcgaattccn cacctggcgg ccgtctgtgg 540
tccactcgga ccantggggg anntgggcta nngttccgga 580

```

<210> 983  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 171, 237, 243, 248, 259  
 <223> n = A,T,C or G

<400> 983  
 ccagtgtcccc ccaggaggct ccaccctcaa ctcaacccaa gcaacagggga cagatgaaaa 60  
 acaaaatcca atcagggcga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120  
 ttcgtgcggt cttgcttttg tcaactgcccc cctgtttacat gggggggggg ntttaatttg 180  
 tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaaa aaagggnaaa 240  
 ttncnccnaa aaaaaaaang ggggaaaaaa a 271

<210> 984  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 984  
 ctgccaagct caagtccagt ggaattttat aacaatttat caccctgccc ctgctctgct 60  
 agacaatttc atgcctttct ctttatcccc atgctcctga gactgagcct ttccaggagc 120  
 ccctcaacct gcttcctccc agaatccggg caaggctaca ctgggtttccc ctctgcaggg 180  
 ccctggccct gggaggggga aggctgactc taatggggag gaatcccagc ttcagtggct 240  
 tcaaggcagg ccattcaact taccgacctt ggctacacac acccacgaca cgcaacacag 300  
 acgcagacac aagactggca cttgggatca cactgg 336

<210> 985  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 45, 48, 49, 58, 64, 70, 77, 83, 86, 97, 113, 157, 159, 166,  
 187, 191  
 <223> n = A,T,C or G

<400> 985  
 aaacatctca catatacaaa ataggtacaa ttttaattttt cttgnttnnc caaaaaanca 60  
 aagnttttgn ggaccnttgg aanaanatga aaatganact ggcaaagaac aantgctgaa 120  
 tctgaagaag aggacaactt tgggcaaata atctgcntnc ttttanttgg gaataagatg 180  
 gaaaatntga ntgctaaatc aaatttttt 209

<210> 986  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 8

<223> n = A,T,C or G

<400> 986

```

aaaaatgnga aatgtctcca cttagcgtag atcaatcaag tcagccatct cctaagaaat 60
acacattata caatgaaatc tacaaagaca cacttttttaa cttcaagcgt tgttgatitt 120
cagcaaccct cttcccatat gaacatttcc ttgtaatgta atgtatgact tttaatcttc 180
ttttggcaga gtagggactt tgagaattat aatagcagtt gttttgaaaa gcacct 236

```

<210> 987

<211> 260

<212> DNA

<213> Homo sapiens

<400> 987

```

gggaacgtca tcgtttggaa agcgtcgcaa taagacgcac acgttgtgcc gccgctgtgg 60
ctctaaggcc taccaccttc agaagtcgac ctgtggcaaa tgtggctacc ctgccaaagcg 120
caagagaaaag tataactgga gtgccaaggc taaaagacga aataccaccg gaactggtcg 180
aatgaggcac ctaaaaattg tataccgcag attcaggcat ggattccgtg gaggaacaac 240
acctaaaccc aagagggcag

```

<210> 988

<211> 167

<212> DNA

<213> Homo sapiens

<400> 988

```

aaacaaacta tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt 60
tcaagaacct cctgtactta aacacgattc gcaacgttct gttatTTTTT ttgtatgttt 120
agaatgctga aatgtttttg aagttaaata aacagtatta cttttt 167

```

<210> 989

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 188, 238, 260, 278, 304

<223> n = A,T,C or G

<400> 989

```

aaataaaaag taaaagcaca cagtgtataa aaaataataa aagccatctt aatattgctt 60
acatcctaata actattagtt atattcgggg caagcagact aggatattgg tgttacttct 120
ataaagttac cttctgtttc taaatgctgt aaactaaact aaaacagggt acccagaaaa 180
aagtggcnaa ttccaaaatg gcttaatacc tgtgacaact attgacttga gccaggtnca 240
acatcgatga aattcacacn tacaatgtaa agttgaanta atccccaaat tattttacat 300
tatntatgta tactttacaa

```

<210> 990

<211> 451

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 364, 374, 378, 382, 395, 410, 418, 437, 442  
 <223> n = A,T,C or G

<400> 990  
 aaagctaaat aagcgacaag tgataaactg acatattcta ttaaccccag catgaggata 60  
 cctcttctgc aatgatgtgg caaattatit attaaagcaa ggtaaacttt agcctcagat 120  
 atagataact ctactcaga ggaaagaaag aattttttga tcataggaaa aattggcttg 180  
 tgccttttcc ctttcaaaga acattttataa aaaccttata acttcagtga aatacacaaa 240  
 atgacttatg ctgacctgga cttttttccc cttttgaaaa atcgactaaa atatatatct 300  
 ttcaatttcc cccttgaata tgaaaaacct gactaaaaga aaaagatgtt tcctatgaag 360  
 gtgncctctt tgtnatancc antaggattt tccanaaaat atttgattan aaccaangg 420  
 taggagaaac cttttcntta ancttcaatt a 451

<210> 991  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 991  
 gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60  
 aaatcttttag tgttgtgagc ccttaaaagg gacagaaatt gtgcacttga ggagctcaga 120  
 ttttaaggct gtagcttgcc gatgctccca g 151

<210> 992  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 177, 186, 189, 191, 202, 205  
 <223> n = A,T,C or G

<400> 992  
 aaaagccaaa aaatgggaga caatttcaca tggacttttg aaaatatit tttcctttgc 60  
 attcatctct caaacttagt ttttatcttt gaccaaccga acatgaccaa aaaccaaaaag 120  
 tgcattcaac cttaccaaaa aaaaaaaaaa aaaaaattaa ttaatttctt ttttcntcc 180  
 cgggngngnc nttcaaagg gnaantccca c 211

<210> 993  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 6, 9, 10, 19, 25, 54  
 <223> n = A,T,C or G

<400> 993  
 ctgatncann cttaccaang gatgncagag ccatgccatg gtgaggggct tgcnaatgg 59

<210> 994  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 133  
 <223> n = A,T,C or G

<400> 994  
 gaagcctggt ttgttggaag gtttgggtgtg tggagatgca gaggtaaaag tgtgagcagt 60  
 gagttacagc gagaggcaga gaaagaagag acaggagggc aagggccatg ctgaaggac 120  
 cttgaagggt aangaagttt gatattaaag gagttaagag tagcaagttc tagagaagag 180  
 gctggtgctg tgg 193

<210> 995  
 <211> 539  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 288, 318, 324, 334, 399, 402, 422, 428, 430, 444, 450, 452,  
 456, 463, 471, 483, 504, 517  
 <223> n = A,T,C or G

<400> 995  
 ccagtgtgta taaccoccttc cactatctca cagatagtca cagcgtccat tccatagtct 60  
 gtctcctcac atctgttagt attgacacag cacagacacc acaagccatc aggttcttca 120  
 tggggcaggt gaaatacttc taccocatgg gtaaagtgtat ttacatatta ccaagagaag 180  
 aagcacatta tctatgatct tttggcccag ttcttattta gcatttttat tccagcctac 240  
 ttggaacat gtttttattt gcaatatatg cctgactgaa ttaagctngc ttgggtttaa 300  
 caaccaaate attggaanga aaanggattt aaanaacaag aatgcttgat ctgagcgggtg 360  
 attaaaaaaa aatcagggga aataaatgat cataagaang gngctttcaa acaactgcta 420  
 tnataatntn aaaggcctct ttgncaaaan angatnaaag gctcctttc nttccaggga 480  
 aangttttgt gggaaaaagg gttnttaaaa cgaccancct tgagggttaa aagggggcc 539

<210> 996  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 415, 421  
 <223> n = A,T,C or G

<400> 996  
 ctgaggtctc ttgagggagc ttagccaatg tgggagcagc gggttgggga gcagagacac 60  
 taacgacttc agggcagggc tctgatattc catgaatgta tcaggaaata tatatgtgtg 120  
 tgtatgtttg cacacttgtg tgtgggctgt gagtgcaggt gtgagtaaga gctgggtgtc 180  
 gattgttaag tctaaatatt tccttaaact gtgtggactg tgatgccaca cagagtgggc 240  
 tttctggaga gggtataggt cactcctggg gcctcctggg tccccacgt gacagtgcct 300

```

gggaatgtat tattctgcag catgacctgt gaccagcact tgtctcagtt tcactttcac 360
atagatgtcc ctttcttggc ctgcggccgc accacgctta aggcgaattt ccacnccctt 420
ngcggccgta ctatggaatc ca                                         442

```

```

<210> 997
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 331, 407, 412, 428, 457, 484
<223> n = A,T,C or G

```

```

<400> 997
tttttttttag tgaaaataag ctttattaca tcaagtaata aatacatata aagatgcaaa 60
cagtttttagt cattttcttc cagatgtttt tatcaactta caataaacgc agaactgaga 120
tctacttaca gtcttagtat gaaagtgttc ggggggtcctt gttaggtttg gtgggttgct 180
ctttcttctg tatttataac ttgtgcattt ttaaaaattg actttgaagc actaatagtc 240
atgcaaatgc ttaagcaaaa aagaagttac attaagcaga acctacattg tatggcaaat 300
gggaaccggc tactaagtaa agcgtgctgt naatatgcgt tcaaaacaaa atccctacag 360
tggtgtattg cttatgaaaa gggaacaaaag aacaccatgg gtaacanatg tntacaaaag 420
agaagaanaa tggggagacc atggtgtctt ggagggnaaa ctacaacctg cccgggcggc 480
cgtngaaggc gaaattca                                         498

```

```

<210> 998
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 226, 227, 361, 376, 385, 399, 413, 417, 428, 439, 443, 450
<223> n = A,T,C or G

```

```

<400> 998
cagatgcgga agacctctta tgctcagcac caacagggtcc gccaaatccg gaagaagatg 60
atggaaatca tgacccgaga ggtgcagaca aatgacttga aagaagtggc caataaattg 120
attccagaca gcattggaaa agacatagaa aaggcttgcc aatctattta tcctctccat 180
gatgtcttcg ttagaaaagt aaaaatgctg aagaagccca agtttnnatt gggaaagctc 240
atggagcttc atggtgaagg cagtagttct ggaaaagcca ctgggggacg agacagggtgc 300
taaagttgaa cgagcttgat gggatatgaa ccaccagtcc caagaatctg tttacctgcc 360
nggcggccct cgaaanggcg aattncacac actgggcgnc gttactagtg ggntccnagt 420
tcggtccnaa gcttggcgna atnatgggcn tta                                         453

```

```

<210> 999
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 491, 502, 527, 540, 555, 562, 563, 568, 579
<223> n = A,T,C or G

```

&lt;400&gt; 999

```

acaaaaaaat tcttttatgt acaatatctt gtctagagtc tagcaaatat agtacctttc 60
attgcaggat ttctgcttaa tataacaagc aaaaacaaac aactgaaaaa atataaacca 120
aagcaaacca aacccccgcg tcaactacaa atgtcaatat tgaatgaagc attaaaagac 180
aaacataaag taacttcagc ttttatctag caatgcagaa tgaatactaa aattagtggc 240
aaaaaaacaa acaacaaaca acaaaacaaa caaaacaaac aaacaaaaaa tcccaccaat 300
cttcatgggt aaactttcct gctcagggat gtaagctgac tctagaccat ctgcggttc 360
ctgcggatag cacagcacia gatcatactg aagatcatgc caaatatcat gaccacggca 420
atgccgatgc ccactgcgcc gatgatgtgg aattttattg tccaagacct cttttgatgg 480
catcaggaca ngacttcacg gngaagggtt cgagtcctcc tccctnccc ggccggccgn 540
ttaaggcgaa ttcancctcc tnnccgcntt cctatgganc c 581

```

&lt;210&gt; 1000

&lt;211&gt; 299

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1000

```

gttccagggtg tatcttagct aaaactagag aatgccctaa cttagatggt ttttgaagcc 60
tatacaattg gtattgtttg acccttaagc ttttacatct cttagcatgg aggacgaaga 120
aagctgtaca ttgttgcttg agagtctgta catttagtcc agatttgtat ttgcactgcc 180
agtatggcaa atgagtgaag aatgtttaat acactattgg attttttatt tccttttttt 240
gattcagctt ataccggggc tgaaaacctc aatttatgtt catgacagtg gggattttt 299

```

&lt;210&gt; 1001

&lt;211&gt; 333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1001

```

ttttttttga attttaatat gatattttat tatgggtgtc tgtaaggaaa aaaaagatca 60
acaaccacat acaagcttac aaagttaa atccaacacat tctctatgct agtgtgacaa 120
aagcagcccc ataatttggt ttttattgtt gacctttaca ggatgaagga ggagaatccc 180
ctgtggcatg ccaatgaatc tttctgatgg gagacatgta cagattttgt gcatttatgt 240
tctgaatgca agtcaacaat tctgatctag agtttaaaag tgaaagtaca ttagcaccat 300
aacatgcgtc tttaaagcct tcccaaatat taa 333

```

&lt;210&gt; 1002

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1002

```

gcagaacaaa tcaagcacat ccttgcta atcaaaaact accagttctt tattgggtgaa 60
aacatgaatc cagatggcat ggttgctcta ttggactacc gtgaggatgg tgtgacccca 120
tacatgattt tctttaagga tggtttagaa atggaaaaat gtttaacaaat gtggcaatta 180
ttttgatct atcacctgtc atcataactg gcttctgctt gtcattccca caacaccagg 240
acttaagaga aatgggactg atgtcatctt gagctcttca tttattttga ctgtgattta 300
tttgagtggt aggcattgtt ttttaagaaa acatgtcatg taggttgtct aaaaataaaa 360
tgcattt 367

```

&lt;210&gt; 1003

&lt;211&gt; 388



<212> DNA  
<213> Homo sapiens

<400> 1003  
 aaaaaaagtg gggagaggggt gagagtcgta aggggcaata gcaatagaga ttacactgtg 60  
 ctgacacaga gactaaattc tagtcagagt gaagacccat ataaaaggcc ggctgatggg 120  
 ttaaaggaag taaccacatg gagtctaata gagacattca tgagttacat ctcatatta 180  
 gccttagtaa tgtaagaaaa caattctcaa caaaactgga gtccacagtt gtcaagtatg 240  
 ctttctcagg cacgggtagg taaaagtctg gagaaatggg ttctctccat gccaatgac 300  
 aaagcaagac ggtcctaggt ttgagggttaa gagcaggtcc cattgccggg cggatatccg 360  
 agctcacaga cctcggggccg cgaccacg 388

<210> 1004  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 1004  
 gctgggggttg gctccatgac caaggtctat gggggacgtc agagaaacgg cgtcatgccc 60  
 agccacttca gccgaggctc caagagtgtg gcccgccggg tcctccaagc cctggagggg 120  
 ctgaaaatgg tggaaaagga ccaagatggc ggccgcaaac tgacacctca gggacaaaga 180  
 gatctggaca gaatcgccgg acaggtggca g 211

<210> 1005  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 175, 237, 248, 249, 250, 275, 278, 311  
 <223> n = A,T,C or G

<400> 1005  
 aaaatgtacc caactgggac caaatacaaa catgagacac tagggtggct tgtccttgat 60  
 taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120  
 caacattgca aaagtgggtg cttctacatg aggacttttt ttcccccaa gtagnacaat 180  
 aattaaatct tgtgtttctt tatattgtgc tttttttggg agaaagcaat tcatttnccg 240  
 atctaaannn tgccggatac aaaggtagtt caganacnta ataatgggtcc ctccaagaac 300  
 aagggagcaa ncccccta 318

<210> 1006  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 403, 440, 446, 457, 467, 472, 482  
 <223> n = A,T,C or G

<400> 1006  
 aaatgactaa aaacgaggcc acactttaat tcaattggaa aggaaatgca gttggaaaca 60  
 gagcataatt aacgctactg aaaagatgga tatttgggac caaagttcat ttgctccagt 120

```

tgagagtaag ttttcagggg attaacttgg gaatggtgca gtgtaatcta gatcacgctc 180
ccaagacctg caccaaagag aattatgggt gccttttgag ctactgtatg actctatttg 240
cctttcacat aactagcttc cccaagcaga tctgcctgtg aatattagac attactatgg 300
tgttagtgat cactcccagt acccacagtc catctcataa ttggaaagta tgaataggaa 360
agtatttgta atcagtgtca ttgcagggga aggagtactc tangccagtg gcctaaatca 420
atggacctgg cccgggcggn cgctcnaggg cgaattncac ccactgngcg gncgtatcta 480
gngggatccc a 491

```

<210> 1007

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 380, 381, 407, 424, 429, 445, 488

<223> n = A,T,C or G

<400> 1007

```

gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaacctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
tcccccatca acgttggttat ccaggagaat ggggtctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat acattcccn nggttcggat gagaccagggt ggtggtntgg tcagtatccc 420
cacnccccna aagaggaatt taatncttga aggaaatgga catttgagct tgtccccccc 480
cccccgntt t 491

```

<210> 1008

<211> 346

<212> DNA

<213> Homo sapiens

<400> 1008

```

aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
ttttccatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaataa aacaaaaagc atttgaattg tatttg 346

```

<210> 1009

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1009

```

aaagccttcc caaatattag taatcttgac cagcaatgac aagaaaaaag aggagcacct 60
ttacaagcag ttgatatcca atattaaaaat aattgtggct ttaaaaaatat ttcttttaaat 120
tcttgcatta cacttttctt ttt 143

```

<210> 1010

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 418, 465, 489, 505, 512, 517, 527, 547, 562, 563, 566, 579, 580, 589, 602, 611, 618, 647, 648, 660, 689, 693, 710, 714, 715

<223> n = A,T,C or G

<400> 1010

```
ctgcacaggtg tacttaaaaa tactgaattg acagctacat tgaatgcagg gtttcccagg 60
gtagtctctca ttttgtcact tactccaatt acattcaagg tcgttatgcc tcatcttttt 120
cctgagctgtg ggcagctcta actggggcac ccagagagat acataccagg taatctccac 180
ttctactttt ctggtagctt ggccctggca aaatgagccc cacaatctag aaagtaggat 240
gctaaacaaa gttgaatcaa catatctttt tagaaaatat caggtttagag aatactcctg 300
aggacctgtt tctaaccaga gttgacaaat gtgaaaaatg catcagctag acagcagtca 360
tgtgaacaca gcccgggaact gcaagtcaag gaaatgggtt ctgggcccgc cttcccangt 420
acaaaaacca ttattcaaaa gcaactactg aaaatgccag cttgntgggg aaaagaaatg 480
gggaaacgng ataaatccaa ttaantgcat gnatatncat gaatacnaaa gctatatgga 540
aaaaatnaaa tcaaacccctt tnnacnaaga agaattggnn acctcctant ttttggccca 600
angtaaaaat naaaaacnct gggataaatt ttgcccttag gcctttnttg tgagggaaan 660
atttaacttg gggaaaaaaa cgattttanc tgnccggggg gccccccaan gggnnnt 716
```

<210> 1011

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 476, 498, 501, 522, 530, 549, 551, 552

<223> n = A,T,C or G

<400> 1011

```
ctgcagaatg gctcccgcaa agaagggttg cgagaagaaa aaggggcggt ctgccatcaa 60
cgaagtggta acccgagaat acaccatcaa cattcacaag cgcattccatg gagtgggctt 120
caagaagcgt gcacctcggt cactcaaaga gattcggaata tttgccatga aggagatggg 180
aactccagat gtgcgcattg acaccaggct caacaaagct gtctgggcca aaggaataag 240
gaatgtgcca taccgaatcc gtgtgcggtt gtccagaaaa cgtaatgagg atgaagattc 300
accaaataag ctatatactt tggttacctt tgtacctgtt accactttca aaagtaagtt 360
ctccatccca taaagccatt taaattcatt agaaaaatgt ccttacctct taaaatgtga 420
attcatctgt taagctaggg gtgacaaacg tcattgacct tttttacctc gggcgngacc 480
acgcttaggg gcgaattnca nccacttgcg ggccgttcta gnggatccan ctcggaacca 540
gcttggcgna nnatggggca tagtg 565
```

<210> 1012

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 317, 320, 330, 332, 342, 349, 351, 366, 371, 400

<223> n = A,T,C or G

<400> 1012

```
ggcgttttga tgccatgccg tttactttaa gagcatttga agatgagaag aaggctcgga 60
tgggtgtggt ggagtgcgcc aaacatgaac tgctgcaacc atttaatggt ctctatgaga 120
aggagggtga atttggttgc cagttttaa tttacagttct gctcatgccc aatggcccca 180
tgcggataac cagtgggtccc ttccagagctg acctctacaa gtctgagatg gaggtccagg 240
atgcagagct aaaggccctc ctccagagtt ctgcaagtcg aaaaacccag aaaaagaaaa 300
aaaagaagga cctctgncgn gaccaccccn anaggggaat tncaacacnc ntttgcggcg 360
gtcttntggc ntccagctcg gtccaacttg gggtaatcan ggggtcc 407
```

<210> 1013

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1013

```
ctgtgggcta attgccgcca atttcagcct gccacgattc ttggaaatat gtcttccaag 60
tgccatccat catcagtagg acaagtgtcg ggagtttggt tatttttttc cagtagcaac 120
gatgggttac atggagccat gaaacctcct tctggcctcc cttgtgatta atggcatgtg 180
tttgtaaaat ggatagctgg ggttggcaga tggctagaga agaatcgctt ttggttt 237
```

<210> 1014

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 415, 469, 503, 573, 589, 600, 613, 626, 633, 646, 657, 661, 668

<223> n = A,T,C or G

<400> 1014

```
ccagggattg tcggtgcagg gtctgcagggt aggcagtcag gttgtgaatg cgctgggcat 60
ccagaaactt gcggatcacg taggatggct ccaactttcc aatggttcgg atatattgct 120
ggacagcccc atcgtggttg cccttgctgt agagatggtc tccatactgc atgaaaatct 180
gggcccggccc atcactgtcc agatgctggc tcttggaag gttaatcgcc atctcaaata 240
ggttcttctt aaacagcatc tccagtttgg tctgtgtgtc cttctcctgc agtgcggtgga 300
ccgcccatac ccgcgtcagc acgtacaggg agccccactc agcaagcaca tccactacat 360
cctcaaagac ggtgctatag gctatgaact tgttgcacag gtcatagatg ttanaaatct 420
gcttgctcga gctctgtgaa tccctgctgg taaactcttg acttgggana aaaccttccg 480
gcacgggaga caatgataag gtngcctcta aaccagtggc aatgaactta tggccctaaa 540
ggcaaacaag gccacgttca tcaggtggac agnagaacct atcccggcnc atgaatgagn 600
ctaaaaggcc tanggtacac gaagcncacc tgngcactcc caggantttc aagcttntga 660
ntgactcng 669
```

<210> 1015

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1015

```
aaataagggt atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
```

```

agtaatcaca aataaggttaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcatt tgaagctggg agaaagagga aaaaaagtggt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatttt catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgaagt tgtccctcca gagacctttc tgggaacatg ctttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc atttacctcg 480
ggccgcgacc acgc 494

```

```

<210> 1016
<211> 98
<212> DNA
<213> Homo sapiens

```

```

<400> 1016
ctggcaaaat aacacacagt acacaaagaa cagtgtatTTT tacagagtca gtaatgaaaa 60
ctgacagctc tttagcagat atgctTTTTT catttttt 98

```

```

<210> 1017
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 1017
aaaaagatgt ttggatatat ttgagtattc cgatcatgaa aacagaaatt gccctgccta 60
ctacaaggac agactgatgg gaaattatgc acctgggtcaa cttagctttt aagcagacga 120
tgctgtaaaa actaacggct tctctgatat ttattgtaag ttttagtact gatctccttt 180
tccagtgtcg cacactcctg gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc 240
agtttcctgt aatttaattg aagaaaaata catccaaata aagactttat tattaacaga 300
ccagatagca tcagaaatca tgtgactgtt atgattatca gaatgtctta acttttttagg 360
gcaaagttaa cactgaaagt tctagcttaa gtgttgaaac ttttgtggga aaaaaaatca 420
cttttgaaac tcagacttca gtgtataccc aataattt 458

```

```

<210> 1018
<211> 654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 506, 530, 547, 548, 592, 600, 605, 610, 619, 624, 632, 634,
638, 642, 647
<223> n = A,T,C or G

```

```

<400> 1018
ccattcttga aagaaaaaag ctgcaaataa cattttcaag aatataaaaa aatgagtaaa 60
caaagggaag gttgttttgg catttataga caattaagca cagactgtag atgtccttcc 120
aattcttggg aggctaaact gagtctacca tttcttacat ttcttttacc tattttttga 180
gaattgccag ttgtacagtg tttagcatgt ggaatgtacc aaatatatct atgttgtgac 240
ttaagatatt ctaaatgtgg ataacttctg acctaggaaa catgaagttt gtagtgaagt 300
aagtgaaaag aatgttcagg aaattttttt tctccatctc ttcagttggc atttattgag 360
agttttatTT gaatgcttat taaaagtata tgatttataa tatttagaaa atagaagaaa 420
aaagaaaact gtagatgttt tatcttgggt taatactgga tggtttagta ccgtatacca 480
tttatgggtc tagtgggatc aaaatntttc attttcatta aaagtgaatn caaattttcc 540

```

```

cttatttnnaa ggcccatTTT acctcgggcc gcgaaccacg gcttaggggc gnaattccan 600
caccnctggn ggccgggtTnc ttangggatc cnancttngg tnccagnttg gggg      654

```

<210> 1019

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 219

<223> n = A,T,C or G

<400> 1019

```

ggcagggcct agctgctaca aagaagacat gttttagaca aatactcatg tgtatgggca 60
aaaaactcga ggactgtatt tgtgactaat tgtataacag gttatttttag tttctgttct 120
gtggaaagtg taaagcattc caacaaaggg ttttaagtga gatttttttt ttgacacccc 180
atgctgttga ttgctaaatg taacagtctg atcgtgacnc tgaataaatg tctttttttt 240

```

<210> 1020

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 274, 285, 311, 353, 357, 360, 364, 382

<223> n = A,T,C or G

<400> 1020

```

ctgctcttca tttattttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat tttttttttc tatttaataa 120
tacaccacac tgaaattatt tgccaatgaa tcccaaagat ttggtacaaa tagtacaatt 180
cgtattttgct ttctcttttc ctttcttcag acaaacacca aataaaatgc aggtgaaaga 240
gatgaaccac gactagaggc tgacttagaa attnatgctg actcnatcta aaaaaaatta 300
tgttggttaa ngttaatcta tctaaaatag ggcattttgg gaatgctttt canaganggn 360
caantaacag tcgtacagct anaaaagtcc ctgaaaaa      398

```

<210> 1021

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 72, 77

<223> n = A,T,C or G

<400> 1021

```

gaggtcagaa gataaagaca tcctaccttt gagcctttta gaacagggtat ccagggtatt 60
tacctctcca gngctangca ggggtctatgc ccataacatc agcaggaagc agttacagaa 120
gatgaacctc cgcccttctg caagcccctt aagattaagg aggagtatat aatctctgat 180
ggggaaatga ggtaggagac cagaaggact tattttccat tcccaacccc attgaacaga 240

```

```
gcaggatctg gtcaaaacag ggtgcagtgg agaagcctgc tgaaaccagc agatgatgat 300
gaaagtgacc tctagttgcc ctcaactgctt atgagcataa agacactacc actgggacca 360
tgg 363
```

<210> 1022

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 323, 335, 357, 385, 392, 406, 435, 445

<223> n = A,T,C or G

<400> 1022

```
aaaaagtatg ttctaaaatt attatatata catgggtgaa ttatgtttcc gaggcactgt 60
tttatctctg tgaatcttga ataacttttt tatatttggg ttatgatgtc aaacgatcct 120
aagcgaagat gatttcagtt catcaaatac tcattaatga ctttatgtat tatttgcaca 180
gggagaattg aaactgagta taatcaataa gctagatcga aaatcagttt ctcaaactga 240
gcttcagaaa agggcatttt ggactcttgg ttttgcataa ctgggtttgg tttttttgca 300
gaattaacta taaccaatca ctngcttccc gaagnaaacc tggatgtacc tggaatncca 360
ttattaccat aacctttcca atttntttac cnactttctg gtttangccg aaccttggga 420
ttacccttat ttttnccggg gtccngaatt taaaaaaaaa aaaaaaaaaa aaaaaaagc 479
```

<210> 1023

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 433, 450, 451, 452

<223> n = A,T,C or G

<400> 1023

```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagggg gtccaccccg gtgtgggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttgggtg agcgcatcct caatattcct tttgttcctc tggtaattgg tgggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatgggt aaattcaggt agaagtgtct 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggac ctgcccgcg accacgctaa 420
gggcgaattc cancacactt gtggcgccgn nnctagtga tccga 465
```

<210> 1024

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1024

```
aaacaaagca aaacaaaacc accaatccta ataaccccc tccctgcccc gtctccacgc 60
tgtgcggaga gggctctagc cctcagtcg gacttctcct tctccttcat gtgcaagaag 120
acgatgtctg agatgaagag cccagcatc atggagaagg cgctggcgta gtaggggtag 180
gccgagggga tgaagcgctc atactgcgtg 210
```

<210> 1025  
 <211> 609  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604  
 <223> n = A,T,C or G

<400> 1025  
 ctgggtacca ttccgggtca tccgcagaaa ttccctcatag atggcaactc tgtctactct 60  
 ccgagccagt ggcgagaagt tacacagggg gtccaccccc gtgtggtgcc tgttggggac 120  
 agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcgga 180  
 gagttgggtg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgctgg 240  
 ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300  
 ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360  
 caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420  
 acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480  
 cggagtccat cgtcaattgg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540  
 ttgtanangg ggngaccttg nctggatgnc ctcacagggg atgacttgag gatgnnggggc 600  
 tggntactg 609

<210> 1026  
 <211> 590  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> 196, 531, 539, 540, 541, 551, 552, 571  
 <223> n = A,T,C or G

<400> 1026  
 ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttggggttg 60  
 cacatTTTTTg tttatcatatc atttttctcc gttttctatt aaagaacatg ctctagggga 120  
 actattaata gccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180  
 acctgttgag gtcttinctt tgaacaaaag aagaaataga caaatcagac ttgccctctt 240  
 ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300  
 tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaaggggtg 360  
 ggtacaatgg ggaacgcctg atgttgaggg aaagcaggag gacttttagag tggagttgca 420  
 ttctaattctc tctgccgctt caactatgtg acctggggca aatgatataa actctatgag 480  
 cctctttcct tatctttacc tgcccgggag ggcgctaagg gcgaattcca nccactttnn 540  
 ngcggttcta nnggatccaa ctcggacca ncttggcgta atatgggata 590

<210> 1027  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> 69, 88, 121, 127, 129, 177, 266, 275, 316, 332, 335, 348,



366

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1027

```

gtggtctcga gctcccaacc ttgtgatcca cctgcctcgg cctcccaaag tgctgggatt 60
acaggcatna aggataacgt ttttttttnc catcactggc acttgccctt aatccaagtc 120
nttttgnanc cccctttttt gtttttgggc ctgcttaatt agctatatgc atcctcnagg 180
gctgagaagg aaggaaggga aagtcccca gtggattttt agtcttcacc caatgcagag 240
gcagttttga gttctgtgga cagcanaagc ttcanttctt tgatgtatct atactgggac 300
ctgcccgggc ggccgntcga aagggcgaat tncancacac ttggcggncg tactagtggg 360
atccanctcg gaccaaactt ggggaaacat ggcata 396

```

&lt;210&gt; 1028

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1028

```

aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatatataa catacataca cacaatcttt ttgcttatta taatacagac ttaaagtgtac 120
aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaataa caagaatgaa aaacgcagta catagtgtcg cg 282

```

&lt;210&gt; 1029

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1029

```

aaaggcaaaag ctttattttt atctctcatt ttttgtcctc cttagcacia tgtaaaaaag 60
aatagtaata tcagaacagg aaggaggaat ggcttgctgg ggagcccatc caggacactg 120
ggagcacata gagattcacc catgtttgtt gaacttagag tcattctcat gcttttcttt 180
ataattcaca catatatgca gagaagatat gttcttgta acattgtata caacatagcc 240
ccaaatatag taagatctat actagataat cctagatgaa atgttagaga tgctatatga 300
tacaactgtg g 311

```

&lt;210&gt; 1030

&lt;211&gt; 144

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1030

```

aaaacaagca aattttatta aaggaaaatt ttgcagggtt aaggtttgca ggtgaaattt 60
tgtaggtgaa aaggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccag 144

```

&lt;210&gt; 1031

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1031

```

aaaagttgct attaccaatt ctgtctactg tagcaagata cottaagtta caacaaaatc 60

```

ttaggaaata agactgaat

79

<210> 1032

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 89, 92, 93, 110, 145, 194, 238, 335, 336, 342, 363, 381, 397, 434, 470, 474, 507, 511, 526, 536, 538

<223> n = A,T,C or G

<400> 1032

```
ccaggagctg tctttggggc tggggataca acagagaaac aaaccaggtg ttgtcatttc 60
ccagaagtca caatatttca agggaaaant tnnaatccag gtttcaactgn tttcaaacc 120
cagggttgatt attaatgga cagcntttcc tgtagtccag ggaggcccaa agaatgttcg 180
tagaggggtct tggnttaggg tttcttatta acagagtga caggaaccaa acaccaantg 240
gaaatggagg gtgatggctt tgggtggggg ggtccagctc aattgttctt catcgtctcc 300
tggatccagt ccacatattt gcagactttc gtgtnnaccc angcttttcg ggtgatccac 360
acnggatcct ggcccagga nataatgcct tgaaaanact ggttcaaacc aaaaggcccc 420
cggagtcccc tggnaggatc cttgcccctt ctcacctgga caccatggn gttntatttc 480
ccgggagcgt ctacctttgg gtaactngcg naccctaggg atcacnctgg ctctangnca 540
ctgccactgg                                     550
```

<210> 1033

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1033

```
aaatcacgtt ttgtttctgc aaatttgga gacaaattga gttcttactg gaatgtggcc 60
tctcgttgtg tgacaaatct gaaatggaat gtctccaaat ggcagtgcct cctttccgc 120
cctccctagg accacaccaa taaccagctc ccaagcaciaa gttcttgctc ccattttttc 180
tgtaggggtg ggggtgggac cttcaggctg ctatctttgc catctgctgt tctaacttgg 240
aaatcacgctc atcttgattg cagatttgtt cttttataga tttgatctct ttt 293
```

<210> 1034

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 454, 522, 553, 577, 579

<223> n = A,T,C or G

<400> 1034

```
ctggcattcc ttgcatttct ctccagccga gtttcccaga acatcacata tcaactacaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaattg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagttctg 180
gaggatgggt gcacgaaaca cactggggaa tggagcaaaa cagtctttgg atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggctcctgat 300
caagaatttg gtgtggacgt tggccctgtt tgctttttat aaaccaaact ctatctgaaa 360
```

```
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattctt gtcaaccagt 420
gcaagtgacc gacaaaaatt ccagttatta tttncaaaat gtttggaac agtataattt 480
gacaaagaaa aatgatactt ctcttttttg tgtcccaaaa tncattcaaa gctttgttct 540
tttccattca ttnaaagttc atgggtatat aaaactnctt ttttaaccctg gtttctgac 600
tacct 605
```

```
<210> 1035
<211> 695
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 519, 540, 553, 575, 578, 586, 609, 621, 631, 644, 651, 653,
662, 681, 686
<223> n = A,T,C or G
```

```
<400> 1035
ccagtcattt atttttccag taattttaaag ctgtgactag gagacacagc ctctgtgggt 60
tgtgagggtt gagatgatat aaactcagga gctgtcgggt ggacatgttc actgagaagg 120
acagtcagtc cacagagaga gaacaccgcc aacatgcagg ggggtctaga gaacacagac 180
catgtggatc cgagagtgtt ggaggggcag ctctagcttc tctgggcttt tcggatccga 240
gttctgttcc tgggaggcct ggctaaaatc tacccttggg ccctgcactc ctccccatgg 300
ctatattgca aatatcctat actttgcatg tgatcacaca aagagggttt ctgttactgg 360
cacacaaaaa gtttgctga gatgattctc ctccacttcc atcagggtct tctggcattg 420
atttcaactt attctctctt aagaacccat tgagtcccca taatctcttg gttctttctt 480
ttccaggacc actgctacag ttcaaaccctc attttgctnt attacttgga cttgatggn 540
tgatgcctaa canaccaggg tttttaaaaa ccttntntc cccttnaacc ttgggatccc 600
ctttccttna ccccatggc nccatgatac nccgggtcc attnccaaac nccccaggg 660
cnggaagggt gttaaaattt nccaanccgg taaaa 695
```

```
<210> 1036
<211> 245
<212> DNA
<213> Homo sapiens
```

```
<400> 1036
aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
gcccccccaa cactcttaat cttctcctca gctcttctgc tgaagaattt ggccttcacg 120
atgacagggt gctttgggag ctttcccttt ccagaaactt tgtagtagcc cgatcgacc 180
acatcaatga tgggagcagc ccccgctctt tttttagcag cattcaccgc tgtctgttca 240
ctgac 245
```

```
<210> 1037
<211> 229
<212> DNA
<213> Homo sapiens
```

```
<400> 1037
ttggaccctt acacacttcc taatgacaga atttggctgt ttggcttcaa ctctacttt 60
ttccagcacg attccttttg catgagaagc acctccaaaa gggttggcct ttagggctgt 120
gccccaatga gctttcttat actgtttatc atgccacttc tggctctgct ggtgactacg 180
gagcttctta gcagtacgaa gtccacgaca cttgcccatc ctgtcggcg 229
```

<210> 1038  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 1038  
 gtgggactta ctccctcctc tcctttgaga ggcccatgtg tcgctgggga ggaagtgacc 60  
 ctttgtgtaa ctgtaaccga aagttttttc aaaaatccta gatgctgttg tttgaatgtt 120  
 acatacttct atttgtgcca catctcccct ccaactcccct gcttaataaa ctctaaaaat 180  
 ccacttgat tt 192

<210> 1039  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 1039  
 ctgcagccca tcctcccggc tcctccttag tctgtcctgc gtcctctgtc cccgggtttc 60  
 agagacaact tcccaaagca caaagcagtt tttccccta ggggtgggag gaagcaaaag 120  
 actctgtacc tattttgtat gtgtataata atttgagatg ttttaatta ttttgattgc 180  
 tggaataaag catgtggaaa tgactcaaaa aaaa 214

<210> 1040  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 264, 322, 379, 408, 461, 483, 518  
 <223> n = A,T,C or G

<400> 1040  
 ctgtgggtgg ttttcctggt acgacgctca gtagcctgta gcaataacaa actcgtggct 60  
 atgaatgcag atgcagtgtt ctcatagaat aactgttcc tgcacttttac agacaaatct 120  
 acgacaaaaa aaaagatcaa cttttttttt ccgaacaaca aaaaaaatga atgattacaa 180  
 taggaaagggt aaaaattaaa tagctacata tcattaacaa attaatgttc ttcaaaaaat 240  
 acctacaaat ttctctgtac attntttacg cacagcgtaa cgatgggtctc aaaatcacc 300  
 atatagaaaa gtgttctcaa cnatttttcc tacagaaaat ataggggcct gaatgccaaa 360  
 gcttggaagc ccagtacant gggagtgaat tgtgtgcggg gcaagganaa gggctttttt 420  
 tcctcccttt tcaaaggctg caccactctg tgactacaaa nccagcctcc accttttccc 480  
 cangccattc caaatcacac taaaactgaa accggggnat cggt 524

<210> 1041  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 1041  
 aaacaagact ccagtatgtg aagggttaatt gctgtgctcc acagatcttg tctattggcc 60  
 cctgtagaaa gttaaccttt gttgttttcc ttttataatt tgcttattgc acaattgctt 120  
 tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180  
 aaaatgtttc tctcatttac tccttaacaa aaagacttaa attagtttgg gtcattatta 240  
 cttttatatt gcagcatttg gtttggtatt agcgtaagag caagtatagg atatggagag 300

```

gcccttggt tcatgagaac aaaggcaggc ccagggttata attacagctt tctcctgccc 360
cttctttact ttctctacca cagtcttctc cactgtttgt tttcctcttg ccacaatttg 420
ctaacattt                                     429

```

```

<210> 1042
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 1042
ccagagtctg tcacactaag atgagaaatg tcctttcttc ctgaagggtg ctgatgtgta 60
aaaatatgat atactttgtg ctgtttcctc ccttcccttt tgcataattat tctgaaacaa 120
cattaactag ttactttgcg tcattgaagg tatgcacttc cctctatgt taggagtgaa 180
taaaattaaa aatagatcct tataacaaag aaaggcagat agaatgatta aaaatgacca 240
aaacatgtta gaaacagtct ctcagggtgta tgcagatggg aattacaaaa ataccttttc 300
aaaaagaaaa aaa                                     313

```

```

<210> 1043
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 1043
aaatttgacc aaaaaaaatt tattgtacaa ttaccaccca ctggatttga ctcagagagg 60
acccccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggccccca ggaagggtgac atactcctgg aagttcacct cctggtcctt 180
gttccggtcc aagtcttcca tcagccttgc aatttcagca tcttgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctccttcag ctcttcttg ctcagggtgt gcttgtcac 299

```

```

<210> 1044
<211> 135
<212> DNA
<213> Homo sapiens

```

```

<400> 1044
aaagcgctga tctgttttat ttggcaggaa aacgagacaa tccagcagcc caggagggac 60
aggtggactt aatcctctc ctcgtcgtct ccagccccag cccaccctg gcccttcttg 120
gcattcttcc tcttc                                     135

```

```

<210> 1045
<211> 608
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 462, 563, 566, 571, 588, 598
<223> n = A,T,C or G

```

```

<400> 1045
gtatcctagc tgacaaatta ttgattaata agaacttgaa tttctggaag attcttactg 60
ttaaccaaatt tttagacaag gagtctcaaa ggtaattctg aaccagaatt acatgttaat 120
gaacagtgtg ccttttaaca gtgtaaatca cggaatatcc gtgaagggat ttcttaattt 180
attttttacc ggttgattga aatatcagtt aaaggttgcc agcatgggtg cagataaact 240

```

```

gatgtttgaa attcgctgaa atactttaatg tggaatagga taatatactt ccaatgccct 300
caaggctgtg accttacagc cattttacat agcacatcat tcctcctata gggatgaact 360
ttttcctggc acgaaaagta gcccgctctg gttgaagctt tgcttattgt aacaggcttt 420
tatttccagg taatatgtct ttggaagact taatttgatt anagatatag atattctgga 480
aactaatggg tttttctatg accctgcttt atcaaaaagt aaacattacc tcggccgcaa 540
cccctaaggg gaattccacc acntgnggcg ntctatggac caactcgnac caacttngna 600
atatggct                                     608

```

<210> 1046

<211> 347

<212> DNA

<213> Homo sapiens

<400> 1046

```

ctgttaaaga gtggaggaca cccttgaccc taacaaggaa aacaaattaa gcctttatgt 60
acaagcaaat ttagagctct ttttaagtgtc caaagctatt aattagttta attaaggcat 120
taaactaatt ctgaattaac atttttataa ccaagaacta aaatgttcaa atttttttct 180
agtacaaaaa aattaaattt gcttttagtta taaaagagct ctgtcaatat acacaaacta 240
tatacttcag acattcacia aaatgtgagc agaaggctta tcaaaagaca ttttaatacaa 300
ttagttttca acaacccctt ggtggtccac atctacaaag atatcca                 347

```

<210> 1047

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1047

```

gccaccgaaa gcggacaccc tgactctcag aagcccccaa cgcaccccg gacgagtgac 60
agctattctg cccccagaga ctgcctcaca cccctcaacc agacggccat gactgccctt 120
ttgtgaacac aatgtgaaaag aagcctgctg ttgtactgag cgtcggggctg tcacaaggca 180
ctggaagaag ggagcctgct ggtccagagt gtgcgtgtgt atcgggtgtgt gtgtacactt 240
gcatgtgtgt gtgtgatcca gtaggatcct agagacaacc tgtcatactg tttacaaaat 300
tgtgcag                                     307

```

<210> 1048

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1048

```

tggaagatgg acgcaccctg tctgactaca acatccagaa agagtccacc ctgcacctgg 60
tgctccgtct cagaggtggg atgcaaactt tcgtgaagac cctgactggg aagaccatca 120
ccctcgaggt ggagcccagt gacaccatcg agaatgtcaa ggcaaagatc caagataagg 180
aaggcatccc tcctgatcag cagaggttga tctttgctgg gaaacag                 227

```

<210> 1049

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 4, 28, 92, 108, 168, 183, 215, 226, 246, 262, 267, 277, 283, 296, 308, 311, 344, 347, 353, 362, 363, 369, 372, 376, 389,

415, 440, 455, 488, 502, 511, 513, 515, 550, 554, 557, 562,  
573, 584, 593, 594, 611, 619, 620, 639, 646, 650

<223> n = A,T,C or G

<221> misc\_feature

<222> 657, 669, 679, 685, 689, 693, 696, 700, 706, 714

<223> n = A,T,C or G

<400> 1049

```
tggnaaatTTt tgTtaaataa ccggaacntt cactttatta gggggccgga aaatTTtggg 60
ggccccccTTt ctttaggaat gggccattgg cnttccgaag cccgggcncc gccccagtgg 120
gtggaattgg gaattattct ttgccaagaa aatttccgcc cctttaancc gtTggggTcc 180
ccnggcccgga agggTcttga aacccaaaaa ggaanttccT tggccntttg ccaaaaaactt 240
caaaancccc ccaccttggc antcccnat tgggccntta ttnaaccgcg aaaaTngTcc 300
tttcgggntt naaaaaactg ggaaggga aa gtgaaacact tggnaantaa aanaaaaccgg 360
gnntttgcnt tnggtnaaaa cacacatcna ttttgacact gggaaaccaa aaccnaaatg 420
ggTTtgtTcg gtgccaccn accaaaattg actantttgt tggacttaac caacaatttc 480
ttgtTgtnaa ccacaagggt cncTtctttt ncntnggcca aattggggag ggcattgaaa 540
aatccaccgn aaanttnaaa anaaactgga atnatatttt tggntttggg ccnnttagaa 600
caaaaaccg naaaaaaann aattggaaat aaacttttnc ccttgnaatn ttttttncaa 660
ttaaactna attttttant ttttnccTnc ccnggnnggn cctttnaaag gggnaattca 720
```

<210> 1050

<211> 617

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 475, 530, 561, 562, 573, 578, 581, 595, 599, 608

<223> n = A,T,C or G

<400> 1050

```
aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaatgtt tatggTTTTt 60
atTTTTcaat ttttattttg gttttcttac aaaggTtgac attttccata acaggTgtaa 120
gagtgttgaa aaaaaaatc aaatTTTTgg gggagcgagg gaaggagtta atgaaactgt 180
attgcacaat gctctgatca atccttcttt ttctcttttg ccacaaattt aagcaagtag 240
atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300
aagagaaagt tttttcaaat ttctttcttt tttaatTTag attgagttca tttatttgaa 360
acagactggg ccaatgtcca caaagaattc ctggTcagca ccaccgatg tccaaaggTg 420
caatatcaag gaagggcagg ccgtgatggc ttattTgttt gtattcaatg attgnctttc 480
ccattcatt tggctTTTTa gagcagccat tttaaaaaa cagtgtagn tgaaacctgc 540
ttgttgccct tagcaaccaa nnttcaaaat tcntttanaa ncccttttaa aaacnacanc 600
cctttttnag ggtggca 617
```

<210> 1051

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1051

```
aaaacaggta caaaatattg aaatgaccaa cgTtacatga tttcaagggt tgccttttct 60
gtgcttttat ctgtcacgac aggaaggTgt ggaaagTTta tatcgTTtat atccttaatt 120
```

```

tgactactct tggatattaa aatctttcta ttaattaaaa agacttttag acaacctctt 180
aaatggaatt acactatgga aaacagggct cccccaaaaa cacctaggca gaactgagag 240
ttctttgaaa accattccca ataaaaacta aatgaaaaat aaatataaaa caaagcttaa 300
aaaaatatgc attacctgac accaaccttt tctggctgac aatattttatt catgaaaaca 360
tatcag 366

```

```

<210> 1052
<211> 86
<212> DNA
<213> Homo sapiens

```

```

<400> 1052
aaaaattagt gtctcaaaaa ggggacatca taagggaat acagggttta gaggtctgag 60
ctcaagtggg gtaagacagt tctttc 86

```

```

<210> 1053
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 1053
tttccttttt ggtacttatt actgctaagt atttcccagc acatgaaacc ttatttttttc 60
ccaaagccag aaccagatga gtaaaggagt aagaaccttg cctgaacatc cttccttccc 120
acctatcgct gtgtgttagt tcccacatc gaatgtgtac aacttaagtt ggtcctttac 180
actcaggctt tcaactatttc ctttaaaatg aggatgatta ttttcaaggc cctcagcata 240
tttgtatagt tgcttgcttg atataaatgc aatattaatg cctttaaagt atgaatctat 300
gccaaagatc acttggttgt ttactaaaga aagattactt agaggaaata agaaaaatca 360
tgtttgctct cccggttctt ccagtgggtt gagacactgg tttacacttt atgccggatg 420
tgcttttctc caatatcagt gctcgagaca cagtgaagca aattaaaaaa aaaaaaaaaa 480
aatccctg 488

```

```

<210> 1054
<211> 204
<212> DNA
<213> Homo sapiens

```

```

<400> 1054
aaaggagatt tacttttact gcagctcttc ttgcccatac actgtccaaa aacaaaagac 60
taggaaacag acccagcagc ctccaccgca cccagccaca gggcctcaag cctccaatca 120
gagccgctcc atggcacccc tcagctcagc tcagtgttgc ctgggagcaa aaggctcgga 180
gacaaagccc agagggtgag cagg 204

```

```

<210> 1055
<211> 528
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430, 435, 499, 506, 526
<223> n = A,T,C or G

```

```

<400> 1055
ctgttattta tgtggctcat gatgcttatt gagcaatctg caaaaataga tttcctgtct 60

```



```

cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttgggtcaa 120
attagagctg ccaccatgca cgagggtttta cttaaagggtg tttactgatg aataaactca 180
cacttctgtg aactgggttct tgcttcttctg gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaaggagg 300
tagtctgggg aataggaccc atcactcatg gagccttttg tatttgatcg tcttaatgca 360
tcagcaatgt gtaaccccc aatgggtggtt gagctgcttg ccacataaga aagaagtttc 420
ggtttttgan gcttntctta taagaagaat aacaattttc tctgttgagt ctgcaaaaaa 480
aaaaaatgtt ggcaccttnc ccggcnggcc gttcaagggc gaatttnc 528

```

```

<210> 1056
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 357
<223> n = A,T,C or G

```

```

<400> 1056
ccaccgggat agccgggggt ctggcaggaa tgggaggcat ccagaacgag aaggagacca 60
tgcaaaacct gaacgaccgc ctggcctctt acctggacag agtgaggagc ctggagaccg 120
agaaccggag gctggagagc aaaatccggg agcacttgga gaagaaggga cccaggtca 180
gagactggag ccattacttc aagatcatcg aggacctgag ggctcagatc ttcgcaaata 240
ctgtggacaa tgcccgcata gttctgcaga ttgacgatgc ccgtcttgct gctgatgact 300
ttagagtcaa gtatgagaca gagctggacc tgcccgggag gccaaaggcg aattcancac 360
acttggcgcc gttctagtgg atccagctcg tccaacttgc gtaatcatgg catactgt 418

```

```

<210> 1057
<211> 281
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11, 46
<223> n = A,T,C or G

```

```

<400> 1057
gatttgtgt ntgtatgttt aatataacat gacatgcact aggaactctg cttttttaag 60
gcagttccgt taagggtttt tgtttttaaa cttttttttg ccatccatcc tgtgcaatat 120
gccgtgtaga atatttgtct taaaattcaa ggccacaaaa acaatgtttg ggggaaaaaa 180
agaaaaaatc atgccagcta atcatgtcaa gttcactgcc tgtcagattg ttgatata 240
ccttctgtaa ataacttttt ttgagaagga aataaatca g 281

```

```

<210> 1058
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447
<223> n = A,T,C or G

```

<400> 1058

```
ccctgggtccc cctggccctc ctggacctcc aggtgtaagc ggtgggtggtt atgacttttg 60
ttacgatgga gacttctaca gggctgacca gcctcgctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtggttact actggattga ccctaacca ggatgcacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggccaacc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caagggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat 456
```

<210> 1059

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1059

```
ccagaaggga agtcatccac aaagacctgg ctgccaggaa ctgtgtcatt gatgacacac 60
ttcaagttaa gatcacagac aatgccctct ccagagactt gttcccatg gactatcact 120
gtctggggga caatgaaaac aggccagttc gttggatggc tcttgaaagt ctggttaata 180
acgagttctc tagcgctagt gatgtgtgga cctttggagt gacgctgtgg gaactcatga 240
ctctgggcca gactccctac gtggacattg accccttcga gatggcgcga tacctgaaag 300
atggttaccg aatagcccag ccaatcaact gtccctgatga attatttgct gtgatggcct 360
gttgc 365
```

<210> 1060

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1060

```
cgcgagcgaa cgaccaagag ggtgctcgac tgctagagcc gagcgaagcg atgcctaaat 60
caaaggaact tgtttcttca agctcttctg gcagtgattc tgacagtgag gttgacaaaa 120
agttaaagag gaaaaagcaa gttgctccag aaaaacctgt aaagaaacaa aagacagggtg 180
agacttcgag agccctgtca tcttctaaac agagcagcag cagcagagat gataacatgt 240
ttcagattgg gaaaatgagg tacgttagtg ttccgcgattt t 281
```

<210> 1061

<211> 82

<212> DNA

<213> Homo sapiens

<400> 1061

```
ccacagggtga tctctccacc tttgtctccc aaagtgttga ggtaaaaggc atgagccacc 60
acactcggcc aatctaattt tt 82
```

<210> 1062

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 359, 435, 470, 490, 508, 527, 542, 551, 567, 568, 574, 585,

586, 590, 607

<223> n = A,T,C or G

<400> 1062

```
gttgaataga tgggggatcc agagccaact caggccccc tactcccaa tgatcatcaa 60
cagattgaat tcctaagggc agatgggagc aatgggagc cttgacctct cagtctcttc 120
acttgagtc atcatgtgga accgtggcct gtacaaaaac agtacctgat gaaagctgcc 180
attacagtat acaactgcac cccaggcctg cctcatacca aatcattctc cttcctttcc 240
aggtacgagt gcttccatat ccattttacc accattggca atttgaaagg accatccaga 300
cccccatagg atccacatgg aacacccaga gggctttcca aaagctgact actcccaang 360
tcgtcaccaa gccaggccat atcattaacc ccataaaagc agaagacgtg ggctaccgag 420
tcttcctcaa ggtcnggacc tgtctgtcat acagaaggaa ttccaaaacn aaatcaccca 480
cacgctcact aaaaaacaaa ccttcccngg gcggggccgt tccaaanggg cgaaatttcc 540
ancacacttt ngggggccgt tacttanngg gatnccaact tcggnncccn aaccttgggg 600
gtaaatnatt ggg                                     613
```

<210> 1063

<211> 173

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 156, 163, 167

<223> n = A,T,C or G

<400> 1063

```
gagaattact tcaaattgag taattcagaa aaactcaaga ttttaagttaa aaagtgggtt 60
ggacttgagg acaggacttt atacctctt tactgtaaca agtactcatt aaaggaaatt 120
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangccc ccncccnggg ggg          173
```

<210> 1064

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 372

<223> n = A,T,C or G

<400> 1064

```
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact cttctacat 60
tatattcaaa ctggctgccg gcattgatag tttctcctag ccagacgtgt ttcttgtcct 120
tggagctcct ataccagttc ttggctggga tgttttcagg ttgggcccgg atacaggttt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcacct tggttagggg 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctgggtt ctttctagag ctttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac                                     379
```

<210> 1065

<211> 280

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 252  
 <223> n = A,T,C or G

<400> 1065  
 atcagaattg ttgacttgca ttcagaacat aaatgcacaa aatctgtaca tgtctcccat 60  
 cagaaagatt cattggcatg ccacagggga ttctcctcct tcatcctgta aagggtcaaca 120  
 ataaaaacca aattatgggg ctgcttttgt cacactagca tagagaatgt gttgaaattt 180  
 aactttgtaa gcttgatgt ggttggtgat ctttttttc cttacagaca ccataataa 240  
 aatatcatag tnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 280

<210> 1066  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 392, 443, 453, 464, 474, 539, 552, 580, 581, 583, 592  
 <223> n = A,T,C or G

<400> 1066  
 aaaggctttt tattaggaac caggggaatg agctgcttat ccctctataa cagtctagag 60  
 cagggtcatca ggcccaggat ggagagaggt tatcaaagggt gctgtggtgt gctttgctgc 120  
 acgtgcttag ggccctggaag gaaagggtggt ggcaacagag gttggcagga actggtgtta 180  
 gtcaaaacac caaaatcctg ggggagagcc cctctacctt ccttctaact ccacttgagg 240  
 tgggagcatt ccaggagaca gagaatgtga ccaggatgca gcagtgtcat ctgaaccct 300  
 ggcttcgttc agtgtactt cacttgccag ccctccactc ttcttgccct ttagtgatta 360  
 ggtatttgaa gaactcatac acagaccatg cnatggctgt ggaggggatac tggtaaatta 420  
 ctctggctgc ccctcggaac tangcgccc ccnctcttga tatnccctg aagnactacc 480  
 atcctgtatt gctgtatgt tagtcaaacc agactctggg tgacatgttt gaactccang 540  
 ggtgggtggg antcactctc cactcaaaga ctgactggtg ncnttgggta ancctcgat 599

<210> 1067  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 1067  
 aaaaagtctt ctccagtctt ccaactgtga gtccctgggc ctggtgacaa atgttaaaca 60  
 cactgagacg tctgaaactg gatggtagag tcaaaggaaa aacattcccc atttgcaaca 120  
 aaggagaaac ccacttgg 138

<210> 1068  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 1068  
 aaaattcagc aaaatcatac gccatctacc gtgatgactg ccaactccat ggcagaccct 60  
 ttctgggatt caaaaaccaa ttcattcagat cgctgcctct gagggatgta cagattggct 120  
 ggggagctga gtgctacaat aaaggaggaa gtaccgggga acagtgcagg gcaaaggcag 180

```

gaaagagatc tgagctgcct ggagatcatc tgggggtgcgg agtacaaagc tttgcaaggg 240
tgtgggttttg gaatgacgct aaactgaagg tggagagaac agataaaaag gttggaagtt 300
gcac 304

```

```

<210> 1069
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 1069
ctgcatatac aattttctaa aagaaaatcc taaagggtggg ttctttattgt atatggaaca 60
gtgaccccaa gtggatttgc acaacccttg ccagagaagt tcatcattcg caaggtcctg 120
ccaaacacat gaagccaagc aaagggtcagt tgcattcagg taggacaaga tggtaaagct 180
tagctcagga ggcaacatct ccaaattaat gaatccttcc tgttctttcg atttccttgc 240
cttcaaaaga tgatatatgt caatgcctcc ttggacttgt ttacgatgat tgggtgttaga 300
aatgttgctc gcagccattc tcctgctctg ctctctgggt aggtagcctt gctcactgta 360
gccttcttgt tgcag 375

```

```

<210> 1070
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 1070
gggggttttgt ttgcttttgt ttatatTTTT tcagttgttt gtttttgctt gttatattaa 60
gcagaaatcc tgcaatgaaa ggtactatat ttgctagact ctagacaaga tattgtacat 120
aaaagaatTT ttttgtcttt 140

```

```

<210> 1071
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 1071
ctgaaacaaa ttatggatca attacgaaat ctcatctggg atataaatgc catgttggca 60
atgaggaact aagctgatat ttaaatttcc tgctttacac atgttatacc attgtttttt 120
ccctcaagta ttttttccct gtgaagaaga ttatttatct gcttttattt tagtcactaa 180
aactaaagtt tttattttta cattgtgatt ttacattaa aatattaact ttttttaatg 240
ctattttatg aaagattatt gtaataaact ttgatggggg ttgtattttg gttaatcttc 300
atgaattgaa taattgtttt tttaaagcaa aataaagttt tttaaataaa tggaaaaaaa 360
aaaaaa 366

```

```

<210> 1072
<211> 704
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 395, 415, 422, 432, 494, 504, 512, 516, 520, 549, 552, 562,
581, 595, 599, 603, 618, 625, 636, 637, 640, 646, 650, 654,
675, 678, 680, 695
<223> n = A,T,C or G

```

&lt;400&gt; 1072

```

cagaattcta gaaatttggc agacagtgga agcctttaat tgaacttact ccttcggttg 60
ctgaaaggag ttttaaattc tgagctcctg agatactgac tagcaaccat ggaatgaatg 120
tgtgaccaga aagtggcttt gacaccaagt gctactgtcc ctttgtaatt ggcttctaac 180
agattcaacc agaaataatt gataatgtga atttttgtta attgttcact tgtaggaaaa 240
tagaacatgt atcacccttt gttaggtaga catgaaacttt tcctgcataa agccttgctt 300
ttagagaatg cccaataagg caagaaaaag catagtaact tgtgctttga gagctcaata 360
tttgatatct atcagtagag aagaaatatt tctgngtaac ttgatcttct gctangactt 420
gncttatagg gnaccaacac tgaaaacttt tgtagtgatg actaccaaag aaaatccttg 480
taaaacaccc tttntttcca attngtaaaa anccancccn tgggtgcttgt tcatgaattc 540
cttctcaana ancctttgga anaaaattaa ggggggttcta nggggttttg ggaantttng 600
gtnggggtttt tcttttgntt tttanggggt ttttntttt ttttaanttt gaanaaaaaa 660
taacccaaaa acttngngngn ggaccocctta agggngaatt cccc 704

```

&lt;210&gt; 1073

&lt;211&gt; 628

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 417, 419, 439, 483, 515, 518, 520, 548, 554, 572, 584, 590, 591, 600, 611, 623

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1073

```

aaatitttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgccttttg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatct cacggcaatg agcctttttc tttctacact gaagattttc ttcttattta 240
atgtgggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtggtttg atcgatatat taggggtagc tcttgatttt gttaacatta aaataangng 420
acttttcccc tgcttttang aataaaatca aagatacttc tatattttat cctatagaca 480
tantattata aatgtagtga gtctgctggg actcntgngn aagaacctga atatagatat 540
agaaacanta tttntaactg gtgcggatca anagactaat atanaacttn nttggaaatn 600
actcttttaa ncttttttga acngggga 628

```

&lt;210&gt; 1074

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1074

```

aaatitttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcatcttaag tttccaaata cttttgaagg ctaatgcagc ag 162

```

&lt;210&gt; 1075

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1075

```

ctgcaaacca gggaggaaaa tcatctggcc cctgctctga ggacagacat gtgctaccag 60
gcccactggc ctggacctga aaggccagcc acgccccgc ttggccctga ggtgcatggg 120
gtgtggcaca caccctaacc tgtgctattc accttgg 157

```

```

<210> 1076
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 1076
aaatgtaggt ggcgtatgtg ttcgtgtttt aatgtattca gagccattgg gcaataagca 60
gtccagaaca ttgaaaactc aagcaggtaa agcacctaac acccttagtt tctagaatta 120
ctttaaaaaa cttttatatt gctgcatctt ccacagttct ttgggtagtc tctgaactta 180
aaattttagt gagttgtaga ctacctaaat ttttaagtta tggtagttgt tcataggttg 240
taggggtagg taaagaagga aacagacaag aaaatggctt cttgaggtgg cag 293

```

```

<210> 1077
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 427, 445, 468, 494, 532, 550, 561, 565, 570, 572, 579
<223> n = A,T,C or G

```

```

<400> 1077
aaagntatatt tagtcatgaa attttatatg cagagagaaa aagttaccga gacagaaaac 60
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120
aaacctgtca gtgctccaca ccagggctgt ggctcctcca gacatgcata ggaatggcca 180
caggtttaca ctgccttccc agcaattata agcacaccag attcaggagg actgaccacc 240
aagggatagt gtaaaaggac attttcccag ggctacctta tcaaggacgg caagctgac 300
aagaacaatg cctccactga ctatgacctt tctgacaaga gcatcaaccc tctgggtggc 360
tttgtccact atggtgaagt gaccaatgac ttgtgcatgc tgaaaaggct gtgtggtggg 420
aaccaanaag cgggtgctca cctnncgcaa gtccttgtgg tgcagacnaa gcggcaggct 480
ctggaaaaaa tgancctagt tcttgaaccc ctccagttga ctgccggcgg cntcaaaggc 540
aatcaccacn tgcgcgtcta nggancactn gncactggna tatgcta 587

```

```

<210> 1078
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 1078
ccaggagata gagcacaata ggagagatgc tgaggaaactt gcgggaagag gtaaaactgga 60
gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg tcaggagtct 120
caaagggtgt ccctttcacc gtatgaagga agacatacgt agccagggtta tggatgacgt 180
tggtcagggt ccagacaaca ggaatgctga agaaggggat gctgagtaga accatatgca 240
gcaatcctac caagatgatg taggccagcc agatgcctcg gctattcatc actcgggtgt 300
tggggtttac ttcgctgtgt gccaccccca cattcactct gccagctcag atccccgtcc 360
ggctatgggc gcggcgc

```

```

<210> 1079
<211> 312

```

<212> DNA  
 <213> Homo sapiens

<400> 1079  
 atcagacaag gcaaagcgaa attggtcatt ctcgctaaca actgcccagc tttgaggaaa 60  
 tctgaaatag agtactatgc tatgttggct aaaactgggtg tccatcacta cagtggcaat 120  
 aatattgaac tgggcacagc atgcggaata tactacagag tgtgcacact ggctatcatt 180  
 gatccaggtg actctgacat cattagaagc atgccagaac agactgggtga aaagtaaacc 240  
 ttttcaccta caaaatttca cctgcaaacc ttaaacctgc aaaattttcc ttttaataaaa 300  
 tttgcttggt tt 312

<210> 1080  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 1080  
 aaacttgatc caacctcttt gcattcttaca aagttaaaca gctaaaagaa gtaaaataag 60  
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120  
 ctgcttgctt ctctgtttca atcgtttctt tggaaggcag tggatttttc tcttgctgtc 180  
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240  
 acatgggttg gcaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctgggtctgcg 300  
 cagtggc 307

<210> 1081  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 1081  
 aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60  
 ttatatataa catacatata cacaatcttt ttgtttatta taatacagac ttaaatgtac 120  
 aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180  
 gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240  
 tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300  
 gatagatcca gtggttt 317

<210> 1082  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 346, 361, 381, 389  
 <223> n = A,T,C or G

<400> 1082  
 gggcgggcggc gcggtttttt atggtgacac aaatgtatat tttgctaaca gcaattccag 60  
 gctcagtatt gtgaccgagg agccacaggg gacccacgc acattccgtt gccttaccgc 120  
 atggcttgtg acgcgagag aaccgattaa aaccgtttga gaaactctc ccttgtctag 180  
 cctgtgttgc gctgtggacg ctgtagaggc aggttggctg tggcgagtcg gtcccttctt 240  
 tattctggca ggctttgggt tggggatgta ctgattattt gcctgggtact cgagttcttt 300  
 acggaagtag tgaattgctt tgtttacctg cccggggcggc cgctcnaaag ggccaattca 360



ncacactttg gcgcgtacta ntggatccna ctccgaccaa cttgcgtaat catggcatac 420  
tg 422

<210> 1083  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 1083  
ctgctgcatt agccttcaaa agtatttggga aacttaagat gaactacatt tcttgcaaag 60  
tacattcctt tctgtgggtat tttgtcctgt aactgaagta tagtaattat tttatggaaa 120  
tgtagcaat tctgtacca ctttgaataa aatgaaaaat tt 162

<210> 1084  
<211> 579  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 427, 454, 457, 481, 534, 539, 548, 551, 555, 558  
<223> n = A,T,C or G

<400> 1084  
aaagttatTT tagtcatgaa atTTtatatg cagagagaaa aagttaccga gacagaaaac 60  
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120  
aaacctgtca gtgctccaca ccagggtgtg ggtcctccca gacatgcata ggaatggcca 180  
caggtttaca ctgccttccc agcaattata agcacaccag attcagggag actgaccacc 240  
aagggatagt gtaaaaggac gttttcccag ggctacctta tcaaggacgg caagctgac 300  
aagaacaatg cctccactga ctatgacctt tctgacaaga gcatcaaccc tctgggtggg 360  
ctttgtccac tatggtgaag tgaccaatga ctttgtcatg ctgaaaggct gtgtgggtggg 420  
aaccaanaac cgggtgctccc ctcccaagtc ctntngngca acaaacgcgg gctctgagaa 480  
natgacctta gttcttgccc cctcaattga ctgcccggcg cgtcaggcaa tcancttng 540  
gcgtctanga ncacncgnca cttgcgatat gctatgttt 579

<210> 1085  
<211> 334  
<212> DNA  
<213> Homo sapiens

<400> 1085  
aaaacttctc caatacatta aaactTTTT tctcgccaca tagcacttct ttcttgccctc 60  
tttcatttct gctcctgggtg ttgcctgcct cctgcaagac ccagatgaag aaaccttttc 120  
aatggctcag atctgagact tggagctgga ggggctgaag gcttgaagga aggtgggttac 180  
tggtcaaaaag gagaagttca tttgcacaaa aatataaact ggggaggatg agaccagcac 240  
atacacgtat ggattgatct acaatccata taaaaaata gacccaaatt gtcattttac 300  
atttgcataa ttatacaaaa taatatatat tttt 334

<210> 1086  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 1086

```

aaagctggct caagactggc ccaggcataa tactgtcaat ctaaaggtaa ccggcaacat 60
caaaaagtac atctcaaaaag aatcaggcctt aaagataaac aggagaactg gaaatatcta 120
agagtaagaa gtgtaaacaa tagaaaagag gtaggggtta gggttctcat cttgggattt 180
ccccaggtct tcaagcttct atccttctctg ggttctgggt catgggcctc cagat      235

```

<210> 1087

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1087

```

gacaaagaag cgaaaagtag atggtttgag cacagaggca gagcagccct tcattccggg 60
agaggtgctc gtagacctgt tcctcaagga aggtgcctgt gatgaattgt tctcctacct 120
cattgagaaa gtgaagcgaa agaaaaatgt actacgcctg tgctgtaaga agctgaagat 180
ttttgcaatg cccatgcagg atatcaagat gatcctgaaa atgggtgcag      229

```

<210> 1088

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 16

<223> n = A,T,C or G

<400> 1088

```

ccattacaaa gacacnggaa tatgttaaga agtgaggggc aggatgaaat catctagggt 60
aggtatttag agggagggcg ccgtgcaaaa taaaatcctc actatgaaac aaaggcggag 120
gcaggaggct gcgttaggtg gaagcagcgg aggaaggaga cgaaagggat tgtcattttc 180
atgtcgtggc tttttagaag acagccatgt cctctactct gattctatca aaatgtgttc 240
tcggggtgct ggtaacgttc agccaacgaa ataattccta tggcggcagt aggaataaca 300
aaacgcggaa gcgggaacga tgtcttttta ttcc      334

```

<210> 1089

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 425, 434, 449, 473, 475, 512, 525, 537, 549, 556

<223> n = A,T,C or G

<400> 1089

```

ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60
aggactcaat atcaggagaa cagcactgag cgggtggtgc taaaccgttt gtgaggactc 120
tgccccataa tcccatcgcc tcccaccagg gggttacat ttcaacatga gactcgggtg 180
ggacacagat ccaaaccaca tcaatagtgc tticattgct ttgattatct tttgtaacta 240
tgttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300
ggtcttaagc atattcagag ttgtgtgacc atcgctacag tcaatttttag gacattttta 360
tactgcaaaa agaaagacct caatcttccc attccttcca tcccgaacaa accctaactc 420
acttncctca tatnggagaa tttgcttant tctggacatt ttaccttgcc ccngngggcc 480
gcttcaaagg gcgaaattcc accacacttt gnggcgggta cttantggat cccaacntcg 540

```

gtaccaanc ttggngntaa atcatgggca tta

573

<210> 1090

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1090

```
cccagaccag gaattcggct tcgacgttgg cctgtgtcgc ttctgttaa ctccctccat 60
cccaacctgg ctccctccca cccaaccaac tttccccca acccgaaac agacaagcaa 120
cccaactga acccctcaa aagccaaaaa atgggagaca attcacatg gactttggaa 180
aatatttttt tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgacaaaaa accaaaagtg cattcaacct tacaaaaaaa aaaaaaaaaa 290
```

<210> 1091

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1091

```
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgctct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggg tggggtaaat ccagtactct ccactcttcc 240
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc gg 282
```

<210> 1092

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1092

```
ccaagttaat gaggtcacgg ccagagcggg ggagaactcg actgcataga ctagaccatc 60
cggaccaacg atgccagaga catgggagac cgtgggtgcc gaggcagccc cgaggtagag 120
aaccttagcc cccggtttga tgtggatctg gtccacacca ccaggattg ctgctgctag 180
cttgagcggg aaggggttcc aggtcgggta ctcaattttg tcatctcctt ccgaaatcga 240
gactctctt 249
```

<210> 1093

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 276, 297, 311, 350, 357, 361, 363, 367, 386, 413, 418

<223> n = A,T,C or G

<400> 1093

```
aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60
ccaggtcctc tgataccag agcattacgt gagccaggta atgagggact ggaaccaggg 120
agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180
gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240
ggtaaaagtg tgagcagtga gttacagcga gaggcngaga aagatagaca tgagggnaag 300
```

```

ggccatgctt naagggacct tgaatgggta aagaagtttg atattttaagn agttaanaat 360
ntntatntct ccaaaaagagg ctggtncctt gggaccttcg gttcttacca ccnttaangg 420
cgaatt                                           426

```

```

<210> 1094
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 1094
aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60
agttcattat aagctacaac actttgcaaa taagtatcca gtttaattgt aacaaaccac 120
aatttggtgag caaattttaag aatataaaaa acattaatta gttaaataca attctctggy 180
aatatacatt atacctacag acctgcccgg g                                           211

```

```

<210> 1095
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<400> 1095
aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaataaat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttttaa aaatacacca cacgatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaataacta 300
ttaattagca cttttgtatt atgaacaaaa caaaacaagg acctcagttc atctctgtct 360
aggtcagcac ctaacaatgt ggatcacact catgggggaa gtgttttgag gtagtttacc 420
tcggcccgcg acccacg                                           437

```

```

<210> 1096
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 1096
caggcttttc tttatataat cgtttgcaat ttgttacttg ctaccctgag tactttcagg 60
aagactgact taaatatctg ggggtgagtaa gtagttgggt ataagatctg aacttttcat 120
ctgcagaggc aagaaaaata tttgacattg tgacttgact gtggaagatg atggttgcac 180
gtttctagtt tgtatatgtt tccatctttg tgataagatg atttaataaa tctcttt 237

```

```

<210> 1097
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<400> 1097
aaaacattgt cagggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcaactg 60
aatcacagca gtcagaagaa agtgcttttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatacaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg 297

```

```

<210> 1098

```

<211> 543  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 349, 428, 492, 513, 532  
 <223> n = A,T,C or G

<400> 1098  
 ccaattgaaa caaacagttc tgagaccggt cttccaccac tgattaagag tgggggtggca 60  
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120  
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180  
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240  
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300  
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcanc aaacttgcac 360  
 gcaatgtgag ccgtgtggca atccaatata gggggcatag ccggcgctta tttggcctgg 420  
 atggttanga taatcacctg acagtgaacc agactcgggc gcgacccgct aagggcgaat 480  
 tccacacact tngcggccgt tcttatggat ccnactcgga ccaacttggc gnaatatggc 540  
 ata 543

<210> 1099  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 1099  
 gcagaggcta cgccgtctgc aggacaggtc cctcgcccag cccatcacca ctgaagaggt 60  
 ggtcatcgcg gccacattgc agggcccttc cacatccgcg ttcgcctccc ttcaggactc 120  
 cccccgggct cccggacgcc ag 142

<210> 1100  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 542, 568, 574, 595, 620, 636, 652, 676  
 <223> n = A,T,C or G

<400> 1100  
 aaaatgtagc aaagagtcac ttactactct cagaagtggc acatacatgg catagaaaac 60  
 aatctatagt cagttaacta ttaaaacaga aacttgaaat ttaagtgaca aacatttgta 120  
 gcactcccta aagaaatagg aaataaaaat gcatttatcc atatgaactt gattattctg 180  
 aattactgac tataaaaagg ctattgtgaa agatatcaca ctttgaaaca gcaaatgaat 240  
 tttcaatttt acattttaatt ataagaccac aataaaaagt tgaacatgcg catatctatg 300  
 catttcacag aagattagta aaactgatgg caacttcaga attatttcat gaagggtaca 360  
 aacagtcttt accacaattt tcccatggtc ttatccttca aaataaaatt ccacacacta 420  
 tcaaactaaa tcaagatttg ctagtggata aaattacat aaatatcccg tactctctct 480  
 gaaacagcta caaacatctt ggtttttgca aaaatatata atggtttctc aatctttctg 540  
 gnccttatct caatttggca aaaaatantt ttgnaaacaa atcttctctt taaanggtaa 600  
 ttcttggtta aagaagggcn aaatcttttt aaaatncccc atgcttaaaa tnttgacctt 660  
 gcccgggggc ggccgnttta aaggggggaaa ttccaaa 697

<210> 1101  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 372, 397, 405, 419, 445  
 <223> n = A,T,C or G

<400> 1101  
 aaatctcaga cctgggaaat ggactataca cagccttcta ggggagaaga gaaatgcctt 60  
 agatgtttctg acagcactgc acctttggct tgttttcagt gggttggtgga acatgaatag 120  
 gaaccacatt gttgcttgga gacatgtcat tttcgcgtct gtctgacatt tgcttctgag 180  
 aaacaatgcg gtaaattctct gttaaaattg tctgaaaagc agcttctaca tttgtagagt 240  
 ctaggggccga agtttcaatg aatgacaaaac cattcttttc tgcaaaaagct cttgcttcat 300  
 ctgtaggaac tgccctgaga tgacgtagat cactcttatt gccacaagc atgacaacaa 360  
 tgttactatc ancatgatct ctcacctgcc gggcggnctg cgaanggcga attccaccna 420  
 cttgccggcc gtactaatgg atccnactcg gaccaacctt ggcgtaatca tggcata 477

<210> 1102  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 210, 222, 226  
 <223> n = A,T,C or G

<400> 1102  
 gtttaaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggt aatgtacaaa 60  
 tgtgaataga cacttatcta tataatatgg gtaagttttg tttcgccat aatagatgtt 120  
 tataaaaaaca agtgagggga cagttgggtct ttttatcttt tctttctttt tctttctttt 180  
 ctttttttct tttttttttt tttttttggn cccccccggg tncctnttt 229

<210> 1103  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 1103  
 aaactactga actgtttacct aggttaacaa ccctgttgag tatttgctgt ttgtccagtt 60  
 caggaatttt tgttttgttt tgtctatatg tgcggtttt cagaggaaat ttaatcagt 120  
 tgacagaaaa aaaaatgttt tatggtagct tttacttttt atgaaaaaaaa aattatttgc 180  
 ctttt 185

<210> 1104  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 1104

```

aaaacaggca caagtgcaaa caattcacia aaatttctag ggaagatgct tttgttttga 60
aaactctgac ccttaaaaaa aagtccttgc aatttctttg ccccaggtta ggtcactagg 120
gagcagaaga atctaaaaat attatctaga tagaaagggg ccagacacct gaagttcttt 180
cctggaattc catctcacag cagccctgaa gtggggcagg gccgaggagg acaaggagac 240
agcagtctgt ggaggcag                                     258

```

```

<210> 1105
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 1105
aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaataaat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttt                                     207

```

```

<210> 1106
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 453, 459, 464, 470, 490, 495, 502
<223> n = A,T,C or G

```

```

<400> 1106
ccaccggttc tgctggcctg gatctcccca ctctaggggt caggctccat taggatttgc 60
cccttcccat ctcttccctac ccaaccactc aaattaatct ttctttacct gagaccagtt 120
gggagcactg gagtgcaggg aggagagggg aagggccagt ctgggctgcc gggttctagt 180
ctcctttgca ctgagggccca cactattacc atgagaagag ggcctgtggg agcctgcaaa 240
ctcactgctc aagaagacat ggagaccctt gccctgttgt gtatagatgc aagatattta 300
tatatatatt tggttgcaat attaaataca gacactaagt tatagtatat ctggacaagc 360
caacttgtaa atacaccacc tcaactcctgt tacttaccta aacagatata aatggcttgt 420
ttttagaaac ataaaaaaaa aaaaaaaaaaac ttnggccgna accncccttan ggggaaatcc 480
accactggn ggccnttact angggatcca actt                                     514

```

```

<210> 1107
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 1107
ctcgaatccc cctagggctc aggcactgag ggcctgggga cagtggagca tatgggtggg 60
agacagatgg aggggtacct atttacaact gagtcagcca agccactgat gggaatatac 120
agatttaggt gctaaaccgt ttattttcca cggatgagtc acaatctgaa gaatcaaact 180
tccatcctga aaatctatat gtttcaaaaac cacttgccat cctgttagat tgccagttcc 240
tgggaccagg cctcagactg tgaagtatat atcctccagc attcagtcca gggggagcca 300
cggaaaccat gttcttgctt aagccattaa agtcagagat ggaaaa                                     346

```

```

<210> 1108
<211> 215
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 188, 199, 205, 209

<223> n = A,T,C or G

<400> 1108

```
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaaa 180
aaaaaaaaantt ttcggggant aaaantaant tttaa 215
```

<210> 1109

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1109

```
aagcaagatg ggtaagggtc caggaagttg ctccaagaac agtagctgat gaagctgccc 60
agaagtgcct tggctccagc cctgtacccc ttggtactgc ctctgaacac tctggtttcc 120
ccacccaact gcggctaagt ctctttttcc cttggatcag ccaagcgaaa cttggagctt 180
tgacaaggaa ctttcctaag aaaccgctga taaccaggac aaaacacaac caagggtaca 240
cgcaggcatg cacgggtttc ctgccagcg acg 273
```

<210> 1110

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1110

```
ccaagcactt caaacctcat gggttctcca ggcacaaggc taaggcgggc tcctccgaat 60
ggctggctgt ggatgggttg gtcagtcctt ccaacaacag caaggaggat gccttctccg 120
ggacagattg gatgttggag aaaatggatt tgaaggagtt cgacttggat gccctgttgg 180
gtatagatga cctggaaacc atgccagatg accttctgac cacgttggat gacacttgtg 240
atctctttgc ccccttagtc caggagacta ataagcagcc ccccagacg gtgaacccaa 300
ttgg 304
```

<210> 1111

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1111

```
ctgcttctgc atttctcttc cttaaatttca ttgtgttgat ttctttcctt cccaataggt 60
gatcttaatt actttcagaa tattttcaaa atagatatat tttt 104
```

<210> 1112

<211> 374

<212> DNA

<213> Homo sapiens

<400> 1112

```
ctggcatgaa gaaggaatag agcatggaca cgccctggga cagcatgggtg atctctaatt 60
```



```

tgtgctctgt cttaaaaatag tcgaggaaçt gtttgagggg catctcctca ccattagggt 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttgggttatag tactgggtgac 180
gtgggtgcggc aaggggttca gagaaaccaa agaaaggcag ggccaagttg aggaaaccat 240
tcttgtagga gtcaagctgt cggtgcccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgctgtg gtcgtggcaa tggctgggat gatcttcctt gcaatcagct 360
tgctcttggtg cccg 374

```

```

<210> 1113
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 133, 135
<223> n = A,T,C or G

```

```

<400> 1113
ctggcacctg cctcccaggc cattctgacg tgtaaccgca tataggagcc cactggctga 60
gtagctacca tcatcgctgg tggggaaact ggtggtaggg gtgtgagggg aagtgggggg 120
gtcagcccgç cangnggtcg gaa 143

```

```

<210> 1114
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<400> 1114
aaaagtccaa caacttttta atataaatta cgactctcaa acccattccc atcactttat 60
tagtgatggg agcatacata ttagagaagg tagctaaagg caagagagca ccaaaggaaa 120
aagactgtcc aaagaacagg tattagaatg aggccgaaga tcacggtgac cagagatttc 180
taggagtctc taacctttcc accctatcct gttaaccctt tagatctcta gtataacact 240
caggctactg aggtatttta gagcaacaag ctgggttact ttcagagcaa ccagcttgac 300
tggaactgag agtaaattgg gaatgtatga ccaat 335

```

```

<210> 1115
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 421, 422, 452, 467
<223> n = A,T,C or G

```

```

<400> 1115
gactaccttt ggcccctgat tcaagagaag attaaagttc tggcagaagc cgggctttct 60
gagaccaatt tticagaaat gacagaatcc actgattacc tctacaagga cccaaagcag 120
cagaagatct acgacctatt ccagaagtcc tttagaagaa aaggaagtga tatggagctc 180
ctggaagcag cagagtcctt tgacccagga agtgcttcag gaacatctgg aagtagttcc 240
cagaacatgg gagacacctt ggatgaaagc tcattgacag ccagtcaca gaagaaaagg 300
agatttgaat tttttgataa ctgggacagc ttctgtctcc ctgtaaaagg ggcaaaaaga 360
aaaaaataaa aaagcattta ccttgcccgg cagcgcgtca aggcgaattc agcacattg 420
nngccgtact agtggatccg acctgggacc ancttggcgg aaacatnggc ataactgg 478

```

<210> 1116  
 <211> 563  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 476, 499, 520, 533, 557  
 <223> n = A,T,C or G

<400> 1116  
 cgaggtaaaa caatttacct cagaattcca agttgaagtt cccaaagtat attaaaaact 60  
 tctcaaatca ttaatttgaa tcagatgttc caaatcaaag gaattaaata ctctttttct 120  
 gggccaattg ataaatctga aactattttg aaatagtatt aagtgcacaga aaagcaaaaa 180  
 tataatcttg ccttgtcttg atatttttagc atgtacattt ttggtccaag gctggaatat 240  
 acaattagaa ataaaagcct tcttcatcat aaagcttagg atataaatta ttctgaggaa 300  
 tgaattccct aattactttt agttaattcc agtgaaataa gcaaacagcc ttggatattg 360  
 aaaactgttc taaagtgtgg taataatctt ctaagaatag caaacataac agaattaact 420  
 gagtatctga tgcctgagta ttttgcgttg cctgacaatc attatttacc tgcccnggcg 480  
 ggcgctcaag ggcgaaatnc aacacacttt gcggccgttn ctagtggaat ccnaactcgg 540  
 taccaaacct tgggggnaat cat 563

<210> 1117  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<400> 1117  
 aaattttctta atatgagaaa acaacaaggt aggttagggt cgtataacaa acaatacacg 60  
 ctctataaag tctcaggaat acccaaagt gttctgggtt ggatatgaaa gagggaccac 120  
 ttctagctgg tggttgtaag caagccaatg aggtgtgcag caaacaaaaac ctgtcactaa 180  
 aaacaactca acaggccatt atgagtatga gcccatcaca gccaaaatcc tcaactgtga 240  
 ccggcaggac cagcaagggg ggggtgtgaa ggggttatga acagcaacca taaagaaagg 300  
 aatctccaac agaagggaca atgg 324

<210> 1118  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 1118  
 tcttggggtc tgtttctggt attttcaaaa attgctaagt ggaatgcatg aattgcatta 60  
 tgttctctgg taacacgtag agttcagacc cttctgaact ctgttgataa taccacacca 120  
 tgttctggac ccatagctct ggcacctca ggggttgtga tccagctcca tatattgttt 180  
 accttcaaag atacaattaa atggcttgat tttt 214

<210> 1119  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 1119  
 aaaaaactga ccttccctta aggcctggtc atagaagtgt aaacaatgta aatgaatcca 60

```
ccattaccag ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac 120
ctgccaatat acctgggaaa gggtatttta tcacagttac acttgagttc ttggcaggca 180
ggactgagga agagtaattt gaaagaagct ttacatccta tttagaagaa atcactagta 240
tttccttaaa taacagggtta caatagaaag atactgcctg gaagttatcc ttctactttg 300
gttcattttt agtttttctt tatgattttac atagctgttt aattcatttg ctta 354
```

```
<210> 1120
<211> 123
<212> DNA
<213> Homo sapiens
```

```
<400> 1120
aaaactcgag gactgtatatt gtgactaatt gtataacagg ttatttttagt ttctgttctg 60
tggaagtgt aaagcattcc aacaaagggt tttaatgtag attttttttt ttttgccccc 120
cat 123
```

```
<210> 1121
<211> 433
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 235, 346, 358, 363, 369, 390, 403, 406, 415
<223> n = A,T,C or G
```

```
<400> 1121
cctcgaggga gattgccagc accctgatgg agagtgagat gatggagatc ttgtcagtgc 60
tagctaaggg tgaccacagc cctgtcaca gggctgctgc agcctgcctg gacaaagcag 120
tggaatatgg gcttatccaa cccaaccaag atggagagtg aggggggtgt ccctgggccc 180
aaggtcatg cacacgctac ctattgtggc acgggagagt aaggacggaa gcggnnttgg 240
ctggtggtgg ctggcatgcc caatactctt gcccatcctc gcttgctgcc ctaggatgtc 300
ctcttgttct gagtcagcgg gccacgttca atcacacagc ccttgnttgg acctcggncc 360
gcnaccacnc ttaaggggag aaatttccan cacacttggc ggnccgnttct taagnngaag 420
cccaaacttc ggg 433
```

```
<210> 1122
<211> 576
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 454, 480, 488, 489, 547, 555, 564, 569
<223> n = A,T,C or G
```

```
<400> 1122
aaatgtttta cttctttgat aaagcagagt acaatagaaa aaaaacaatt agtttccagt 60
aatatctata tctctaata gaattaaagtc ttccaagaca tattacctgg aaataaaagc 120
ctgttacaaat aagcaaagct tcaaccagag cggctacttt tcgtgccagg aaaaagttca 180
tccctatagg aggaatgatg tgctatgtaa aatggctgta aggtcacagc cttgagggca 240
ttggaagtat attatcctat tccacattaa gtatttcagc gaatttcaaa catcagttaa 300
tctgcaacca tgctggcaac ctttactgat atttcaatca accgggaaaa aataaattaa 360
agaaatccct tcacggatat tcccgatgatt tacactgtta aaaggtgcac tgttcattaa 420
```

```

catgtaattc tggtcagaat tacctttgag actncttgct aaaatttggt taacagtaan 480
aatcttcnna aattcagttc ttataatcaa taatttgta gcttaggata cctgcccgg 540
cggcctncaa agggnaaatt ccnccttng gggcgt 576

```

<210> 1123

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 295, 304, 320, 328, 335

<223> n = A,T,C or G

<400> 1123

```

gaaagaagtc cctaagtgtg gatttctccc tgggaatgag aaagtctgt cctgcttgc 60
cctggttaag ccagaagtct ggactctcaa agagaaatgc attctggtga ttacatggat 120
ccaacacctg atccccaaga ttgaagatgg aaatgatttt ggggtagcaa tccaggagaa 180
ggtgctggag aggggtgaatg ccgtcaagac caaagtggaa gctttccaga caaccatttc 240
caagtacttc tcagaacgtg ggatgctgtg gacctgccg cgcgccgct caaanggcga 300
attncagcac acttggcggn ccgtctantg ggatnccaac tcggtccaag cttggcgtaa 360
tcatgggcat a 371

```

<210> 1124

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1124

```

aaaaaaaaat gtggaggaaa gtagaaatth accaagggtg ttggcccagg gcgttaaatt 60
cacagatttt tttaacgaga aaaacacaca gaagaagcta cctcagggtg ttttacctca 120
gcaccttgct cttgtgtttc ccttagagat ttigttaaagc tgatagttgg agcatttttt 180
tattttttta ataaaaatga gttggaaaaa aaataagata tcaactgcca gcctggagaa 240
ggtgacagtc caagtgtgca acag 264

```

<210> 1125

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1125

```

ttttcagagc tagctgaggt tttatttttg accaaaaaaa agcaattgaa ttgttttgta 60
gctggaggca tgggcaaggg ggggtcccag gtagtaaact ccccagggtg gctgagggtc 120
agggctgagc ctgagggtgg tctcctgttc ccagtgtctac cctgcatagc ggcctccttc 180
ccaggctctg gggcagcgca ggaggggtag gctg 214

```

<210> 1126

<211> 119

<212> DNA

<213> Homo sapiens

<400> 1126

```

gggaaaagta actcgggcc atggaaacag tggcatgggt cgtgccaaat tccgaagcaa 60
tcttctgct aaggccattg gacacagaat ccgagtgtg ctgtaccct caaggattt 119

```

<210> 1127  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 70, 148, 158, 159, 165, 201, 203  
 <223> n = A,T,C or G

<400> 1127  
 tgcccggtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa aactggtct 60  
 cgggccccgan aagacctcct ttttccaggc tttaggatc accactaaaa tctccagggg 120  
 caccattgaa atcctgagtg atgtgcanac cttggcgna ccacnctaag ggcgaatttc 180  
 aacacactgg ggggcgtact ngnggatacc aaat 214

<210> 1128  
 <211> 591  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 5, 15, 26, 37, 38, 45, 62, 97, 121, 125, 309, 335, 364,  
 447, 468, 519, 538, 544, 549, 551, 562, 580, 583  
 <223> n = A,T,C or G

<400> 1128  
 tganntcaga cccgnggatc ctctanagtc acctgcnnngc atgcnatgct tgaagcggcc 60  
 gncagtgtga tggatatctg cagaattcgc ccttagnggg gtcgcggccg aggtgtacgg 120  
 nctgnggtac aagcagactc tgaagatgat cagacaaggc aaagcgaaat tggtcattct 180  
 cgctaacaac tgcccagctt tgaggaaatc tgaaatagag tattatgcta tgttggttaa 240  
 aactggtgtc catcactaca gtggcaataa tattgaactg ggcacagcat gcggaaaata 300  
 ctacagagng tgcacactgg ctatcattga tccangtgac tctgacatca ttagaagcat 360  
 ccanaacaga ctggtgaaaa gtaaaccttt tcacctaca aattcacctg caaaccttaa 420  
 acctgcaaaa ttttccttta ataaaanttt gcttgtttta cctgcccngg cgggcccccg 480  
 ggcagggtgt tttgttaaaa aaaaattctg acaaatacna aaatgggggg tcaaggantg 540  
 gtgntgatnc naaaaatgga anccattggg tgggggcttn tcnggggtgc c 591

<210> 1129  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 1129  
 aaaaagattg tgtgtatgta tgtttaatat aacatgacag gcactaggac gtctgccttt 60  
 ttaaggcagt tccgttaagg gtttttgttt ttaaactttt ttttgccatc catcctgtgc 120  
 aatatgccgt gtagaatatt tgtcttaaaa ttcaaggcca caaaaacaat gtttggggga 180  
 aaaaaaagaa aaaatcatgc cagctaataca tgtcaagttc actgcctgtc agattgttga 240  
 tatatacctt ctgtaaataa ctttttttga gaaggaaata aaatcag 287

<210> 1130  
 <211> 131

<212> DNA  
<213> Homo sapiens

<400> 1130  
cagggtccaca gctaacaatca ttgcagcacc tttactcctt cggtgtgat ccaatctcca 60  
gtcactttct ttttgccagc accaacattg gcctttgcag tccccctgac tttcttcatt 120  
ctgtttcttg g 131

<210> 1131  
<211> 576  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 400, 438, 484, 532, 556, 564  
<223> n = A,T,C or G

<400> 1131  
aaacatgcaa aataactgac aataatgttg cacttggtta cttaaagatat aagttgttcc 60  
atgggtgtac acgtagacag acacacatac acccaaatta ttgcattaag aatcctggag 120  
cagaccatag ctgaagctgt ttttttcagt caggaagact acctgtcatg aagggtataaa 180  
ataatttaga agtgaatgtt tttctgtacc atctatgtgc aattatactc taaattccac 240  
tacactacat taaagtaaat ggacattcca gaatatagat gtgattatag tcttaacta 300  
attattatta aaccaatgat tgctgaaaat cagtgatgca ttgtttatag agtataactc 360  
atcgtttaca gtatgtttta gttggcagta tcatacctan atgggtgaata acatattccc 420  
agtaaattta tatagcantg aagaattcat gccttctggt ggacatttat aagtgcattt 480  
tatntacaat aaaaattttt ctttttagaaa aaaacctcgg cgggacctc angggaatca 540  
acccttgggc gtctanggac actnggccac tgggaa 576

<210> 1132  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 1132  
aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60  
gtgtaaaata ctttacaata cattagatcc ccaaaaggta ccaaaaagta cagtaaaatt 120  
aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180  
ggtgacactg gtttcttaag atacaattta ctctttacaa ccagggtcca cagggtccagg 240  
ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctggggggacc tggtaataaa 300  
aatcagccca tgatggcgcc atggcctctc agacaccaca cgctgcctaa acacctagag 360  
ctctggaaat agtcaacagg agagtg 386

<210> 1133  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 1133  
ggcaggtaaa aagatccaaa tgtgactgag atcattccag cctgcacttt ttattttag 60  
gcagaaggaa cgggataggt tgagggggct gacgggggct ctgccacct cttgtctgca 120  
cctctggaac aggtgggagc cgaatcattc aagtcctacc tggtcagact cccaaccacg 180  
ctgaggcagg cccttacctg gatggcctca tgggcctccc tcttgaaaag accctcactc 240

tgtttggaag agatccctta gcagccataa tcaggaaaga g 281

<210> 1134

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1134

```
ccagtgaagc catcccggtc tctgatttgc agcaggtctc caggatagct gcttatgcct 60
acagtgcact ttctcagatc cgtgtggacg caaaagagga gctgggtgta cagtttggga 120
tcccatgaag agaggggtcc ttggacagct cttctcctct cttcatccca tctctacccc 180
accccttgg ccccccagcct cactgcggct tatacagtag cctaacctgc tactaatcac 240
agagaaaaat gtgaagaagg aggagaagag gaaggctaga agcctgagca agtgagggta 300
gaaccttttg ggactggcct ttgaagctct gg 332
```

<210> 1135

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1135

```
ctgcccgaat ggagaataag cagacctggc tcagacatga atcatgtgct tgggtgactg 60
cagatgccaa actgcatccc cacaacccac cacgtagaca gcagacaggg ctggaagttg 120
atttttaatg ataaagtaca atgaaggagg ggcagagggg ctaagcctag ctgtctgggg 180
tgctgtggtg gtggtagact ggctacacaa actgttgctg ctgctgctgc ttcttggtgg 240
ccgccttgct ggcgaggtcc ttggccttct ctgtagctgc cagtgccgtc tcctttgcct 300
tctccttggc ttctt 316
```

<210> 1136

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 342

<223> n = A,T,C or G

<400> 1136

```
ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtccctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 180
caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtctg agaagaaaca 300
cgtttgggtt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tcctgaagat gtccttgatg tgcag 385
```

<210> 1137

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1137

```
cgcgagcctg agaagaggcc ccccaccgtg gtgtccaata cattcactgc cctgatcctc 60
```

```
tcgccgttgc ttctgctctt cgctctgtgg atccggattg gtgccaatgt ctccaacttc 120
acttttgctc ctagcacgat tatatttcac ctgggacatg ctgctatgct gggactcatg 180
tatgtctact ggactcagct caacatgttc cagaccttga agtacctgg 229
```

```
<210> 1138
<211> 232
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G
```

```
<400> 1138
aaaaccana cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgaccta gacagagatg aactgagggtc cttgttttgt ttgtttcata 120
atacaaaggt gctaattaat agtatttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaatactcc tgtattgagt tgtatcgtgt ggtgtatttt tt 232
```

```
<210> 1139
<211> 165
<212> DNA
<213> Homo sapiens
```

```
<400> 1139
cacaatacta atactgtagg aattggtgag gccttgactt aaaactttct ttgtactgtg 60
atttcctttt ggggtgtattt tgctaagtga aacttggttaa attttttggt aactaaattt 120
ttttcttaaa ataaagactt tttcacaatg agaaaaaaaa aaaag 165
```

```
<210> 1140
<211> 191
<212> DNA
<213> Homo sapiens
```

```
<400> 1140
aaaaaatgga cttatctcta ttatacagag ttataatata aaaatgattt aaaggctata 60
tttttcagca tgtaggtagc tacactgtaa tctgttgtaa gaaactttcc tatttaagct 120
tataggatga aaatatataa ttaaagtctt ctgatcatag cttgagacca tcaagggat 180
gtttagtttc c 191
```

```
<210> 1141
<211> 149
<212> DNA
<213> Homo sapiens
```

```
<400> 1141
aaaattaaaa atgttttatt ggctattgcc tttaatagat ttactacaat aaaggaaagg 60
aatatttttc tcaaatgtgc taataagaaa aagaccagg aaactgaacg atattggaca 120
cagttttcag tgttttagac ataaataaa 149
```

```
<210> 1142
<211> 485
<212> DNA
```



<213> Homo sapiens

<220>

<221> misc\_feature

<222> 249, 315, 353, 365, 386, 422, 448, 466, 468, 476, 480

<223> n = A,T,C or G

<400> 1142

```
gcccagagcc tggctgcccc tcatgtggcc ccacccaatc aagggaagaa ggaggaatgc 60
tggactggag gcccttggag ccagatggca agaggggtgac agcttccttt cctgtgtgta 120
ctctgtccag ttcttttaga aaaaatggat gcccagagga ctcccaaccc tggcttgggg 180
tcaagaaaac agcccagcaa gaattaaggg gccttaaggg cacttgggct tgttggttcc 240
atttgaaanc ccgactcttg gcccttggcc ctttactttg ctttcttcta acctcttcta 300
aggccctctt ccaanttttg cacccttggt cccccaaccc ctccacttc aanaaccttg 360
ccccnggggg ggcccgttc gaaaangggc cgaaatttcc aaccaccact ttggcggggc 420
gnttacttag tgggaatccc gaacttcngg tacccaaacc tttgngnta atcatngggn 480
ataag
```

<210> 1143

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 410

<223> n = A,T,C or G

<400> 1143

```
gtaagatggc ctctgattta cactggttca atttacaat tttcaacttt atgatagggt 60
tatcagggtg ctaaattgcat ttcaacttga tagtttcaac ttatgatagg tttaccagga 120
tgtagtccca ctgttgagga gcatctatct aggggttaat tacttttaga ataagtggaa 180
agtaagatac cttagagtaat gtttgccctat aaaattgtca gcgtattttt acactatttg 240
ctcaagaatg ttataatgct aagggaacata agttggcaac cacttggttt ttggaaggac 300
tttcggtatt gtattagaag tctgccctag ctgttaaatt tctgggtatt taccctaagg 360
aattaattaa agagttaatt gttcctttct tcagtgggac attgttttan atatttacct 420
gccccgggag gcccgtctg
```

<210> 1144

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1144

```
ccttggttac acaactccag caaccgggcc ccaaattccac tatctgtgca atgcagcaca 60
tgccgagcaa tgctattaaa ctgctcttgg agaaattcca gggttgtccg gatgatgtcc 120
acacctggct gaacctgcac caaggaaaaa ctctcccgca catactcttc tagccccgtg 180
atcaatgtgt gggttgccat ccgatgttta ctgggtgtgg gctcctgacc acccaggtag 240
tgctggtgga agaaggatcg cag
```

<210> 1145

<211> 286

<212> DNA

<213> Homo sapiens

<400> 1145

```
cgcgggcggca agatggcagt gcaaatatcc aagaagagga agtttggtcgc tgatggcatc 60
ttcaaagctg aactgaatga gtttcttact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggc cgggcggatt cgggaactga ctgctgtagt tcagaagagg 240
tttggtcttc cagagggcag tgtagagctt tatgctgaaa aggtgg 286
```

<210> 1146

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 235, 289, 292, 295, 308, 312, 331, 345, 348, 351, 358, 370, 372, 385, 387, 408, 428, 433, 440, 441, 447, 460, 467, 468, 474, 480

<223> n = A,T,C or G

<400> 1146

```
aaacttgacag agtgcaaaact tgcaataaatt cattgtgccg gttattcaga ccctatattg 60
gtgcagacac tttggcaaga tatcatagag aaagaattga gtgacagtgt gacattgagc 120
tcctcggata gaatgcatgc tcttagtctc aagattgttc tccttggcaa aatttatgct 180
ggcacaccac gcttctttcc ttttagatttt attggacaag ttttagaacc agcanggttg 240
tactttgaac tgggatgggg gcttctaata caaaccatga atgaaattng antanccttg 300
ctaaactnct anaagttatt atcagtgggc naatcaccgg atcantontg nacaaatnaa 360
aaccctgcn cnttggatgg tacngnttt tggaaaaatg gtggaaancc accaattttc 420
ctcccgngc ctncaaaggc naatccnccc tgggggcgtn cttgggnncc accnggccan 480
ctggggaaa 489
```

<210> 1147

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 531

<223> n = A,T,C or G

<400> 1147

```
ctttaattaa ggcattgggc ccaacgggtgc acatagatta agggattttg cttccttctg 60
aactagatca tttgtagag gcttcagaaa aagaaaatta gcttgaaatc tagtctggga 120
aattgggggc agggaatgaa aaagtgggtc tcttgtttct ccacgatata caggcttccc 180
atctaaagtc atgcttaact aaaagggaaa aaaaatgaac caagcaaaag tatatagagt 240
agcgtgaca tttgcattat tttctagact ttacatttgc ctgcaacagg cataacatga 300
aactccagag ggaatttgga ttgataggaa tgttcacata aacaccagca gtggctaact 360
gttacacaac attcaaagta ttcgagagaa ctgctggaga cagagagcga ggggccacag 420
acacattagc accatactga taggcattgca gcaggatgtt cacctgccgg cggccgcgaa 480
ggcgattcaa ccaactggcg cgtctatgg atccactcga ccaacttggg naatatggct 540
actg 544
```

<210> 1148

<211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 1148  
 ctgggtacca ttccgggtca tccgcagaaa ttccatcatag atggcaactc tgtctactct 60  
 ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttgaggac 120  
 agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180  
 gagttggttg agcgcacccct caatattcct tttgttcctc tggtaattgg tggcgccctg 240  
 ctgggccttg tccctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300  
 agtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360  
 caccaactgg taggcggacc cagccaatgg aatgagg 397

<210> 1149  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 1149  
 ctgcagcttt tcaccacatt ttcaattact gaattgcatg tttttttcc accttgataa 60  
 cttagggtca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120  
 cccatttgta attgaag 137

<210> 1150  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 1150  
 ctggaccctt acacacttcc taatggcaga atttggctgt ttggcttcaa ctccactttt 60  
 ttccagcacg attccttttg catgagaagc acctccaaaa gggttggcct ttagggctgt 120  
 gcccaaatga gctttcttat actgtttatc atgccacttc tggctctgctc g 171

<210> 1151  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 1151  
 aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60  
 tgcttcggaa ttgggcacga accatgccac tgtttccatg ggcccagatt ac 112

<210> 1152  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 1152  
 aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60  
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cgcgcctcat tacgattcgc 120  
 ctgcttgctt ctctgttca 140

<210> 1153  
 <211> 481

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 14, 295, 337, 338, 420, 425, 429, 434, 439, 441, 446, 454,  
457, 459, 464, 474, 476  
<223> n = A,T,C or G

<400> 1153  
ctgacacaga ctangatcga gttctccac ggccttccta tcccgtctct aatttactct 60  
ctgcttttcc ctggaatgtg catgagaaat aaaccttcca aacatttcaa aagtcgcact 120  
ttcctccttt attacaacga tgcccathtt taacgacact ctcggtggcc cctgacagct 180  
acctggtgag atacacagca tattgtgccc attgaatgaa gatacttctg acaatgaggc 240  
tttctcgtga aataaagggt tcccgtctca taaaactgaa aatctttgga aaganctgag 300  
tggaatggc ttttgaagaa ggcagtgtt cactaannta tttgaaaact taaggtagtg 360  
aagggtagaa aaccaaccca aaacaatcaa ggggggaccg actggcccct tgacttttgn 420  
tggcnaacna aaanaaatnt ntaaancttg gtantcncna aacnaattaa aacnancct 480  
c 481

<210> 1154  
<211> 688  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 507, 515, 519, 544, 550, 569, 571, 592, 607, 615, 624, 625,  
629, 637, 644, 654, 676, 679  
<223> n = A,T,C or G

<400> 1154  
aaaattttta tttgaatgaa atcattgtaa taatcattaa agtgatttga aatagaatga 60  
tctctgtgaa aggaagttaa tagcatcact atttatagga gagaaagcag cagagggtatg 120  
catccggaag tgaatataac attgtaaaat cagccacat taaataccaa aaaagtaaga 180  
accatcaaaa tgcagcatta tttacaggat taaaaagtgt gaacagtaca gaggtaaaact 240  
ttcttatgtg tgaattttga cctgctatgt tgtagcaaa aagctttagt gttgtataa 300  
aatgatgtgt acccttatcc caaccaccac cagatcaaga cacaaactga caatgattcc 360  
ttccttattt tacagcttta ttactgattt ccctctaaaa agagactcaa gtgtggagct 420  
gactcatcta tagattaagg aatcacaagg taccatagtc acttaacaaa tgcaaaaaaa 480  
aaaagcaatg gtttaccttt cacctgntgg gggntgtnc aatctttcca aaaaagcata 540  
ctgngcttcn tgacctgatt tttcacccnt naatttaaaa ccacccttta anctttgggt 600  
cttttttctt caaanaaagc tttnttttnc ctgccgnacc ctangggaat cccnctggg 660  
gcgtctatgg tccacncgnc cactgggg 688

<210> 1155  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 384  
<223> n = A,T,C or G

<400> 1155  
 ccaagagaat gcttatttta gtgttagact tccattctgg caaaatcttg ccttatcaga 60  
 agacattgga aagagggatt ccctttgggtg tttgggtcttc tacttagaaa aacctattgc 120  
 agttagttta tctttagtagta ttcattctttg tattctgaag ataagggttg aattaaattg 180  
 atacacacag aggggaaccg attttttcta tccaatgtga attataaatg agataatcca 240  
 cagttattca ttgtggagtt gttgagacta tgaaagactc attgtctttg tattcagctc 300  
 ttaaatagtg taactatata cccacctctg cttgctttct ttccctcccc tccaatgata 360  
 aagaaaatga taaattttct gtgngcattc aattcttatt ttacctgccc 410

<210> 1156  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 1156  
 ccatgggtccc agtggtagtg tctttatgct cataagcagt gagggcaact agaggctcact 60  
 ttcattcatca tctgctgggt tcagcaggct tctccactgc accctgtttt gaccagatcc 120  
 tgctctgttc aatgggggtg ggaatggaaa ataagtcctt ctgggtctcct acctcatttc 180  
 cccatcagtg attatatact cctccttaat cttaaggggc ttgcagaagg gcggagggttc 240  
 atcttctgta actgcttcct gctgatgtta tgggcataga ccctgcctag cactggagag 300  
 gtaaaatccc tggataacctg ttctaaaagg ctcaaaggta ggatgtcttt atcttctg 358

<210> 1157  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 1157  
 ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctccggc 60  
 ttcccaccct tctgtttctga gatgggggtg gtgggcagta tctcatcttt ggggttcaca 120  
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagtttg gtcccagggc 180  
 agcatgatct tcaccttgat gccacgcaca ccctgtctga gcaacacgtg gcgcacagca 240  
 gtgtcaacgt agtagttaac ag 262

<210> 1158  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<400> 1158  
 gtccgctgtg gcgggaaagc ggcccccaga accgaccaca ccgtggcaag aggacccaga 60  
 acccgaggac gaaaacttgt atgagaagaa cccagactcc catggttatg acaaggaccc 120  
 cgttttggac gtctggaaca tgcgacttgt cttcttcttt ggcgtctcca tcatcctggt 180  
 ccttggcagc acctttgtgg cctatctgcc tgactacagg atgaaagagt ggtcccgccg 240  
 cgaagctgag aggcttgtga aataccgaga ggccaatggc cttcccatca tggaatccaa 300  
 ctgcttcgac cccagcaaga tccag 325

<210> 1159  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 240, 244, 251  
 <223> n = A,T,C or G

<400> 1159  
 aaaaacctgg ggaacttttag gttattttata caaaggggaat aaataggctg attttaattt 60  
 ggtaagttag tctttttatt atgaatttgg taatagtata ggttttattat ttattcatct 120  
 aattttatag tacaggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180  
 ggggaacatc ttgggaattt gagatttaat aagttttttt tttttttttt tttttagggn 240  
 tttncggca ncccc 255

<210> 1160  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 231, 232, 236  
 <223> n = A,T,C or G

<400> 1160  
 ttaaaatcct gattttggag acttaaaacc aggttaatgg ctaagaatgg gtaacatgac 60  
 tcttggttga ttgtttttt ttgtttgcaa tggggaattt ataagaagca tcaagtctct 120  
 ttcttaccaa agtcttgtaa ggtggtttat agttcttttg gctaacaaat cattttggaa 180  
 ataaagattt ttactacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaccc nccccngggg 240  
 gg 242

<210> 1161  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 100, 102, 104, 110, 113, 140, 158, 177, 179, 199, 208  
 <223> n = A,T,C or G

<400> 1161  
 aaatctagag taaaaccaag ctggcccaag gtgtcctgca ggctgtaatg cagtttaatc 60  
 agagtgccat tttttttttt tgttcaaagt attttaattt tngnaatgcn canttttttt 120  
 aatatgcaaa taaaagttt acctgcccgg gcggccgntc aaaagggcaa attccancnc 180  
 actggcggcc gttactagn gatccaanct cgg 213

<210> 1162  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 303, 328, 340, 343, 349, 351, 354, 367, 368, 373, 379,  
 385, 387, 390, 396  
 <223> n = A,T,C or G

&lt;400&gt; 1162

```

tcttccagga gattaatcna tgaaatztat aagttttatc aacgtataaa atttttttca 60
tcttctggga ctcatagaat acaatctgtg tttctgacca gttgaggtag ttaaaatagg 120
gagggtcttt ctaatctcgt atttgactat ttcagaaaga aaggttatct tttactgggtg 180
agcacagtca ttgctctgca gatgggctag gattcaaaga atataacaca gtgttggttat 240
cataaagagt gttgaaagtt tatttattat acaccattga gacattttga aattggaatt 300
ggnaaaaaaa taaaaacctg ccccggcngg cctttcaaan ggngaattnc nacnccctg 360
ggcgccnncc tangggaanc caacntnggn cccaancttg ggggaaa 407

```

&lt;210&gt; 1163

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1163

```

gcaggaggca tgccaggagg aatgcctggg ggatttcctg gtggtggagc tcctccctct 60
ggtggtgctt cctcagggcc caccattgaa gaggttgatt aagccaacca agtgtagatg 120
tagcattggt ccacacattt aaaacatttg aaggacctaa attcgtagca aattctgttg 180
cagtttt 187

```

&lt;210&gt; 1164

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1164

```

aaatgggcca gaatctataa acagtgattg ccgaaataat ctagagatga cagtgcagag 60
aaattatggt cagacaataa tataaaaatt tagaaaagga agcactagaa tttttaatga 120
tctgaaataa atatTTTTTca taaaatttaa tgtattcttt ttttgtttgt ttttgataca 180
cagtcactct gtcacccagg ctggagtgcg gtggtgcaat ctccactcac tgcaacctcc 240
accacttggg atcaagtgat tctcccggtt aatttttcta ttttttagtag agacagggtt 300
ttgccaatggt gg 312

```

&lt;210&gt; 1165

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 43

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1165

```

aaaatcctga ttttgagagc ttaaaaccag gttaatggct aanaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtagg tggtttatag ttcttttggc taacaaatca ttttggaat 180
aaagattttt tactacaaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240
gtattagaca cccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300
atttttttca atgccaacc ag 322

```

&lt;210&gt; 1166

&lt;211&gt; 96

<212> DNA  
<213> Homo sapiens

<400> 1166  
gtgataccca aaatccagtg ccttccacca agccaggatg aggaagtaca gacaattggg 60  
cagatagaac tgtgcctcac taagcaagac cagcag 96

<210> 1167  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 227, 230, 232  
<223> n = A,T,C or G

<400> 1167  
gggaatgtga aatttacatc atttcttttt gggagagact tgttttggat gcccccta 60  
cccttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggttttt 120  
tagttgaatt ttttttaaca ttccatcatga atgtaaattt gtactattta actgactatt 180  
cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccanatn anaaaaaaaa 240  
aaaaaaaaaa aaaaaa 256

<210> 1168  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 1168  
cacaatgtaa aaaagaatag taatatcaga acaggaagga ggaatgggtt gctggggagc 60  
ccatccagga cactgggagc acatagagat tcacccatgt ttgttgaact tagagtcatt 120  
ctcatgcttt tctttataat tcacacatat atgcagagaa gatatgttct tgtaaacatt 180  
gtatacaaca tagcccaaaa tatagtaaga tctatactag ataatcctag atgaaatggt 240  
agagatgcta tatgatataa ctgtgg 266

<210> 1169  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 1169  
catttaccag ggctctgagg ccgacagcgt cttcagcggc ttccatcatct tcccatctgc 60  
ctgagccagg gaaggacccc cccccccatc cactctctctg gcttccatgc tccgcctgta 120  
aaatgggggc gctattgctt cag 143

<210> 1170  
<211> 448  
<212> DNA  
<213> Homo sapiens

<400> 1170  
aaaggattat agtgctgcat tgtctgaagt tagcacctct tggactgaat cgtttgtcta 60  
gactacatgt attacaaagt ctctttggca agattgcagc aagatcatgt gcatatcatc 120



```
ccattgtaaa gcgacttcaa aaatatggga acacagttag ttatTTTTac acagttcttt 180
ttgtTTTTgt gtgtgtgtgc tgtcgcttgt cgacaacagc tttttgtttt cctcaatgag 240
gagtgttgct catttgtgag ctttcattaa ctcgaaagtga aatgggttaa aatatttatc 300
ctgttagaat aggctgcac tttttaacaa ctcatataaa aacaaaacaa ctctggcctt 360
tgagatgact tatactaatt tacattgttt accaagctgt agtgctttta gaacactact 420
taaaaagcaa aataaacttg gtttacat 448
```

```
<210> 1171
<211> 323
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 3, 10
<223> n = A,T,C or G
```

```
<400> 1171
ggnagacaan gtatTTtatt tctgactgat tttagaaaaa acttgtgtac atgtgtttgg 60
aactgttgaa atgccaagtt ttctgtataa gtgtTTTTgt aattaaactt tcagattttc 120
tttgtTTTTt aagaagtTga tgtgcttggt tgacatttgt ctcatataaa cttttctacg 180
ttgaattcac ctgtttcaat ttactttgct ttgtaacaaa aagtcctacc tctggccggg 240
cacggtggct catgcctgta atcccaacac tttggaaggc caaggcaggc agatcacgag 300
gtcaagaaat cgagaccatc ctg 323
```

```
<210> 1172
<211> 232
<212> DNA
<213> Homo sapiens
```

```
<400> 1172
ccagtttTgt cagttccagt agtgactgat tcacatTTTT ttccaaatgt aatgcacact 60
ccattgcatt cagcccgtc tcccagtcac cacagtctgg tttcttgata tcctgaagga 120
agattcagcc acctcgttgg ttctgcagct tcatcagttt ctccagcatgt tccctctcct 180
catgagattg gtgaagaaag tatttggaac agttcttcaa agccacatca tc 232
```

```
<210> 1173
<211> 425
<212> DNA
<213> Homo sapiens
```

```
<400> 1173
caatctttcc tgttgccTgt ggagtctctg ctgaaatgaa tcaggattcg agctctagga 60
tgagacagaa aatgaaagca tgttgtttgc caggacactg tgggtttata ttgatgtgta 120
acaagttgat ttggaacact ggactctcat tctgttattc tgggtttgtt tttttgttt 180
tgtttttttt cttttgtaaa ggcaatgagc tagtcccaga aaggatcctt cagttacata 240
caatttgttt aatgaaatgt catggctctg ttcatatTTt tgtcttgttc ttccaattgg 300
tatatacaac tttcagagcc tcttgtatTT ggaaggctgg aagggcccag actttggaat 360
agtgtcttgg tttcactgtt tttgtttTga tttttttTg ttttgatttt ttttacctcg 420
gccgc 425
```

```
<210> 1174
<211> 200
<212> DNA
```

<213> Homo sapiens

<400> 1174

```

aaaataacag ctaaaagaaa agctctgaat gttactcttt attctggtag gtatgattta 60
cccagttattg tttacatgcc ttgatttagt atcagtgagt atctcctgta tgcaaggcgc 120
tcagagccat gattcctagc ttctaacatc cgatttctag gcctctcatg cagatgccaa 180
taaaggatct gtgtacagcc                                     200

```

<210> 1175

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1175

```

ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
agggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgtttaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaaa 180
aaaaaaaaat tttc                                     194

```

<210> 1176

<211> 140

<212> DNA

<213> Homo sapiens

<400> 1176

```

aaacaaaacc agagtcattct ggggaaaagt aactcgggcc catggaaaca gtggcatggt 60
tcgtgccaaa ttccgaagca atcttcctgc taaggccatt ggacacagaa tccgagtgat 120
gctgtacccc tcaaggattt                                     140

```

<210> 1177

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1177

```

aaacttcacg ttgtccttat ttttcttgat cttgacagat ttggcatcct ttcgtcgggc 60
tgtgagcagg aagtccttga tttcctcaat tttccgaggc atggcgacga ggcgcgctgg 120
gctctggcgc ggaccaggac ctttctcacc cacgtatcac cctagagaca ctcacagcaa 180
gcagcaacc                                     189

```

<210> 1178

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1178

```

ccaggggtag gatagtatag gaagtagaag gggaaggagg gttagataga gaatgctgaa 60
taggcagtag ttgggagaga gcctcaatat tgggggaggg gagagtgtag ggaaaaggat 120
ccactgggtg aatcctccct ctcaagaacca ataaaataga attgaccttt t 171

```

<210> 1179

<211> 432

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1179

```

ggcagggttct aaaagatcta gttaaagtta ttcaacagga gtcttacaca tataaagacc 60
caattacaga atttgttgaa tgtttatatg ttaactttga ctttgatggg gctcagaaaa 120
agctgaggga atgtgaatca gtgcttgatg atgacttctt cttgggtggc tgtcttgagg 180
atttcattga aaatgcccgt ctcttcatat ttgagacttt ctgtcgcac caccagtgtg 240
tcagcattaa catgttggca gataaattga acatgactcc agaagaagct gaaagggtgga 300
ttgtaaattt gattagaaat gcaagactgg atgccaaagt tgattctaaa ttaggtcatg 360
tggttatggg taacaatgca gtctcaccct atcagcaagt gattgaaaag accaaaagcc 420
tttcctttag aa 432

```

&lt;210&gt; 1180

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1180

```

agacaactgg ctttggcatg atttatgatt ccctggatta tgcaaagaaa aatgaaccca 60
aacatagact tgcaagacat ggcctgtatg agaagaaaaa gacctcaaga aagcaacgaa 120
aggaacgcaa gaacagaatg aagaaagtca gggggactgc aaaggccaat gttggtgctg 180
gcaaaaagaa gtgagctgga gattggatca cagccgaagg agtaaagggtg ctgcaatgat 240
gttagctgtg g 251

```

&lt;210&gt; 1181

&lt;211&gt; 122

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1181

```

ncgagtcctg gccttgctctg tggagacgga ttacaccttc ccacttgctg aaaagggtcaa 60
ggccttcttg gctgatccat ctgcctttgt ggctgctgcc cctgtggctg ctgtcaccac 120
ag 122

```

&lt;210&gt; 1182

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1, 199, 256, 264

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1182

```

nctgccctct tgggttttagg tgttgttcct tcacggaatc catgcctgaa tctgcggtat 60
acaattttta ggtgcctcat tcgaccagtt ccggtgggtat ttctgtcttt agccttggca 120
ctccagttat actttctctt gcgcttggca gggtagccac atttgccaca ggtcgacttc 180
tgaagggtgg aggccttana gccacagcgg cggcacaacg tgtgcgtctt attgcgacgc 240
tttccaaacg atgaenttcc cttnecatct cgcacct 277

```

<210> 1183  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<400> 1183  
 atgcccccta agtgaccocgg acacttccga gggggccatc accgcctgtg tatataacgt 60  
 ttccgggtatt actctgctac acgtagcctt tttacttttg gggttttgtt tttgttctga 120  
 actttcctgt taccttttca gggctgacgt cacatgtagg tggcgtgtat gaggggagac 180  
 gggcctgggt cttggggact ggagggcagg ggtccttctg ccctgggggc ccaggggtgct 240  
 ctgcctgctc agccagg 257

<210> 1184  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 1184  
 gcgcttgctg gtcggcctct gtggcagggt cgagtgcac agtgggaagca ggctaagtcc 60  
 tatcagccat ggaaacacca ttgctctctt cttccgggtca ctgttgccaa actataccat 120  
 ggagggggag agggccgagg aaggagtggt tgggggtctg aaccgcaacc agggcctgaa 180  
 caggctgatg ctggctgtgc gcgaca 206

<210> 1185  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 1185  
 ccctatcaca cgtggccttg tctagaccct gtcctgagca ggggagaggc tcttgagacc 60  
 tgatgccctc ctaccacat ggttctccca ctgccctgtc tgctctgctg ctacagaggg 120  
 gcagggcctc cccagccca cgcttaggaa tgcttggcct ctggcaggca ggcag 175

<210> 1186  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 1186  
 ccacatcggc agggctcggag ccctggccgc catactcgaa ctggaatcca tcggatcatgc 60  
 tctgcgcgaa ccagacatgc ctcttgctct tggggttctt gctgatgtac cagttcttct 120  
 gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180  
 ctttgatggc atccaggttg cagccttggg tggggatcaat ccagtactct ccactcttcc 240  
 agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c. 291

<210> 1187  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 1187  
 aaaaggtcaa ttctatttta ttgggttctga gagggaggat tcaccagtg gatccttttc 60  
 cctacactct cccctcccc aatattgagg ctctctccca actactgcct attcagcatt 120

ctctatctaa ccttccttcc ccttctactt cctatactat cctaccctg g 171

<210> 1188  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 1188  
 cctccagggc atgtaagagg cacagaacac tcccagaacc cagaatctgc tgtcatctga 60  
 gtgcctgagc aacttacata accatcagct tttagacgaa cttacacatt tcctatttga 120  
 cagaaatctc ttccacaatt tggctactac atttgacttg ctatttcaaa agaagtccac 180  
 atgtcatgaa acaccaacca atttttatca atcacttacc aatatgaggt taagaagtta 240  
 agacaaccat ttttacagat aaaacacatg aatccaatga ccttcctcac ag 292

<210> 1189  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 175, 178, 179, 186, 188, 190, 196, 200, 215, 216, 226, 246,  
 251, 254, 256  
 <223> n = A,T,C or G

<400> 1189  
 aaatgtccca cgtttattta catatgaaat gtgtttcata cagttatgat ggatggagtg 60  
 cataacacct gacagcagca agaccttttg aggaaccgaa cattgactac agtatatcat 120  
 gcaagtatct atatatacac aaaagaattc cttttcttaa aaaaaaaaaa aaaanggnnc 180  
 aaaacntntn cggggntaan tccaaaatcc aaatnncaaa aaaaanccca aaccaaacc 240  
 aaaaantaaa nctntntcaa aaa 263

<210> 1190  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 1190  
 ggcaggtgtg gtgtttgtgg gcacgagagg ggcagagaat ggagagtgg gctaccacat 60  
 gaagcgtcac cagagctgct ccctgctgcc tgctcagagc accccggatc cactgttcaa 120  
 tctgcacaag attcgggggtc cagacatggg agacttcag 159

<210> 1191  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 569, 631, 649, 658, 659, 670, 683, 688, 692, 694, 701,  
 703, 710, 716, 719, 720, 733  
 <223> n = A,T,C or G

<400> 1191

```

ncctgggacc aaatgaaggc tgagaggtat ggctcatcgg tacaagagag atgcaaaaaa 60
ctaagttgga aagtaaaggc tacacacaca tatggagcac cccatcccac agcacattac 120
atccacctca cttcacagaa cggagaacag agcagaaatg accagaacac ctttgtcacc 180
atcacacagc cctcctaaaa tggaaccaa gcttcccagc tccctcaaag ctttggatgc 240
aaagaaggca ccctgacttc cacaagacac cagaattcac acggtactca gaggcactgc 300
tggggaagtt tgttgggtctt tattagataa atttccagag acctgtccat aatacccaac 360
agaacatgac tgtttctttg aggaaagggt tataatgtct gtggtgtaca agtcgttttt 420
ggtataactt ctttcctgct gctgctgctt cccggcaaac atagttttcc tatttcaggc 480
agagtgcggt atattccagg aaacacttgt ttcctactca cttagcttac tttctttggt 540
gaatgcctca ctaatggcca agtttcaana tgttttgggt gacaatgcac acattgcttg 600
ggcaaaaagg gtgatgggac cctcggcccc naccacgcct aaagggcgna atttccannc 660
aactgggcn ggccgctact aanggatncc ancntcggta ncnaaccttn gggcgnaann 720
aatgggccat agnctgct                                     738

```

<210> 1192

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1192

```

ggaaccgtgg cgtccctgcg tggggcccat gggtagagaca ctccagtact gagacctaga 60
gtccagatgc ttgtaggagc caagtcgtgt tctaagtatt ttttt                                     105

```

<210> 1193

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1

<223> n = A,T,C or G

<400> 1193

```

nctgatttta tttccttctc aaaaaaagtt atttacagaa ggtatatatc aacaatctga 60
caggcagtga acttgacatg attagttagc atgatttttt cttttttttc ccccaaacat 120
tgtttttgtg gccttgaatt ttaagacaaa tattctacac ggcatattgc acaggatgga 180
tggcaaaaaa aagtttaaaa acaaaaaccc ttaacggaac tgctttaaaa aggcagacgt 240
cctagtgcct gtcattgtat attaaacata catacacaca atctttttgc ttattataat 300
acagacttaa atgtacaaag atgttttcca cttttttcaa ttttta                                     346

```

<210> 1194

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1194

```

aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaacaaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaataaat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttt                                     207

```

<210> 1195

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 6, 466, 485, 511, 516, 526, 530, 542, 551, 556, 562, 569, 571, 574, 610, 622, 624

<223> n = A,T,C or G

<400> 1195

```
ctgggnccta cattagtgcc ttacgggtga acaagggtgat tgagattaac ccttacctgc 60
ttggcaccat gtctggctgt gcagcagact gtcagtactg ggagcgctg ctggccaagg 120
aatgcaggct gtactatctg cgaaatggag aacgtatttc agtgtcggca gcctccaagg 180
tgctgtccaa catgatgtgc cagtaccggg gcatgggcct ctctatgggc agtatgatct 240
gtggctggga taagaagggt cctggactct actacgtgga tgaacatggg actcggctct 300
caggaaatat gttctccacg ggtagtggga acacttatgc ctacggggtc atggacagtg 360
gctatcggcc taatcttagc cctgaagagg cctatgacct tggccgcagg gctattgctt 420
atgccactca cagagacagc tattctggag gcgttgtcaa tatgtgccac atgaaggaag 480
atggntgggt gaaagtagaa agtacagatg ncagtnacct gctganccan taccgggaaa 540
cncatcaata ntgggnggtg gnggaaganc ntngcctga gaccaccgct aagggggcga 600
aatttccagn acaactttgt cngnacc 627
```

<210> 1196

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 32

<223> n = A,T,C or G

<400> 1196

```
atgacattgg tggtcctgat caagaatttg gngtggacgt tggccctggt tgctttttat 60
aaaccaaact ctatctgaaa tcccaacaaa agaaatttaa ctccatatgt gttcctcttg 120
ttctaactct gtcaaccagt gcaagtgacc gacaaaattc cagttattta ttccaaaaat 180
gtttggaaac agtataattt gacaaagaaa aatgatactt ctcttttttt gctgttccac 240
caaatacaat tcaaatgctt tttgttttat ttttttacca attccaattt caaaatgtct 300
caatggtgct ataataaata aacttcaaca ctctttatga taaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaa 374
```

<210> 1197

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 168, 172, 178, 192, 194, 226, 245, 260, 265, 272

<223> n = A,T,C or G

<400> 1197

```
gggaaggaaa gaacttgcac gttggtgaag gaagaagtgg ggtggaagaa gtgggggtggg 60
acgacagtga aatctagagt aaaaccaagc tggcccaagg tgtcctgcag gctgtaatgc 120
```

```

agtttaatca gagtgccatt tttttttttg ttcaaagat ttttaattntt gnaatgcnc 180
atTTTTTTaa tntncaaata aaaagttttac ctgccggggc ggccgntcaa gggcaaattc 240
caccncactg gcggccggtt ctagnggatc cnagctcgg 279

```

<210> 1198

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1198

```

gagacgatga agaacaatta gactggaccc acccaccaca gcccatcacc ctccatttcc 60
acttggtggt tgggttcctgt tcaactctgt aataagaaac cctaagccaa gaccctctac 120
gaacattctt tgggcctcct ggactacagg agatgctgcc acttaataat caacctgggg 180
ttcgaaatca gtgagacctg gattcaaatt ctgccttgaa atattgtgac tctgggaatg 240
acaacacctg gtttgttctc tgttgtatcc ccagcccaa agacagctcc tgg 293

```

<210> 1199

<211> 561

<212> DNA

<213> Homo sapiens

<400> 1199

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcaccacct tctcaccgca tctcaatat tcttttgtt cctctggtaa 240
ttggtggtgc ctggctgggc tttgtcctgg gaatatggta ggttggtgat ggtgaaattc 300
aggtagaagt gctgggtgct ggagctgctt gttggttgat aaactgatga ctccatttct 360
gtcacatgga tgtccaccaa ctggtagggt gagccagcc aatggaatga ggcattcagg 420
gtcttatcta gaaagacttg ctccaccagg ctggggtcca aattggagga gaacaatgcc 480
ttgacagtga ccaacacgga gtccatcgtc aagttggtac ctgccggggc ggccgctcga 540
gccctatagt gagtctgatt a 561

```

<210> 1200

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 303, 328, 329

<223> n = A,T,C or G

<400> 1200

```

cgaggaaata gtatcatcat gttagaagcc ttggaacgag tataaataat ggctgttcag 60
cagagaaacc catgtcctct ctccataggg cctgttttac tatgatgtaa aaattagggtc 120
atgtacattt tcatattaga ctttttggtt aataaaactt tgtaatagtc aaaaatgctt 180
tctcagatgt tctgaatata gaatatcagc tctcattcca gttttttcta acatgaattt 240
tcttggttga cattgatttc aaagggtttt atgcattaaa gtgaaagaat cttattaaat 300
gcnaaaaaaa aaaaaaaaaa aaaaaaannt ttttt 335

```

<210> 1201

<211> 441

<212> DNA



<213> Homo sapiens

<400> 1201

```
ggcaggtaaa aaagtgcacat tgctttatta ctattggcag gtggggcctg catgagggtg 60
ttagtggtgct caggggatgg gtgggctgtg gagatgatga cagaaaggct ggaaggaaag 120
ggggtgggtt tgaaggccag ggccaagggg tcctcaggtc cgcttctggg aagggacagc 180
cttgaggaag gagtcatggc aagccatagc taggccacca atcagattaa gaaattctga 240
gaaatctagc tgaccatcac tgttggtgtc cagtttcttc atcatgcggt caaggacacc 300
agggtccttc tggttctttg tgaaggcagc tagttctgta ttcataagc ttaggaactc 360
tgtcttgag agagtgtagt tataaccatc cttccagca tacttctgga agacagcaat 420
cagggactcg atgcaccgct c 441
```

<210> 1202

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 30, 268, 307

<223> n = A,T,C or G

<400> 1202

```
gcatttttca catttggtcaa ctctggttan aaacagggtcc tcaggagtat tctctaacct 60
gatattttct aaaaagatat gttgattcaa ctttgtttag catcctactt tctagattgt 120
ggggctcatt ttgccagggc caagctacca gaaaagtaga agtggagatt acctgggatg 180
tatctctctg ggtgccccag ttagagctgc cacagctcag gaaaaagatg aggcataacg 240
accttgaatg taattggagt aagtgcacnaa ataagaacta ccctgggaaa ccctgcattc 300
aatgtanctg t 311
```

<210> 1203

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1203

```
ctgttgccga ggcctgggct cgccctggacc acaagtttga cctgatgtat gccaaagcgtg 60
cctttgttca ctggtacgtg ggtgagggga tggaggaagg cgagttttca gaggcccgtg 120
aggacatggc tgcccttgag aaggattatg aggaggttgg agcagatagt gctgacggag 180
aggatgaggg tgaagagtat taacctgtgt gctgtacttt tacactcctt tgtcttgaa 240
ctgtcttatt tttgttctgt aaatgtctat tgccgtaaat tgtaataaaa attgatgttt 300
ccatttt 307
```

<210> 1204

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 418, 562, 584, 605, 633, 647, 658, 675, 682, 683, 689, 698, 704, 705

<223> n = A,T,C or G

&lt;400&gt; 1204

```

ctggaaccac aaagcagccc tctaaggagg aggaggaaga ggaggaggag gaacaactga 60
accagacctt ggcagaaatg aaggcccagg aggtggcgga attgaagagg aagaaaaaga 120
agctgttgcg tgagcagaga aagcagcggg agcgtgtgga gctgaagatg gatccgcctg 180
gggtttccat tgcagacgag ggggagactg gcatgttctc cttgagcacc atccgggggtc 240
accagttatt agaggaagta acacaagggg atatgagtgc agcagacaca tttctgtccg 300
atctgccaag ggatgatata tatgtgtcag atgttgagga cgacggtgat gacacatctc 360
tggatagtga cctggatcca gaggagctgg caggagtcat gggacatcag ggtctaangg 420
acaaaagcg tatgcgactt actgaagtgc aagatgataa agaggaggag gaggaggaga 480
atccactgct ggtaccactg gaggaaaagg cagtactgca ggaagaaca gccaacctgt 540
ggttctcaaa gggcagcttt tncctgggac gaggacgatg ccnatgagg ccctggagat 600
cagtnacagg cccagacctg ccccggggag ggnccgcttc aagggcnaaa tttccancc 660
accaccttgg ccggnccgct tnncttaant ggggattncc caanncttcc ggggt 714

```

&lt;210&gt; 1205

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1205

```

aaggaatcgt atcgtatgtc cgctatccag aacctccact ctttcgaccc ctttgctgat 60
gcaagtaagg gtgatgacct gcttcctgct ggcactgagg attatatcca tataagaatt 120
caacagagaa acggcaggaa gacccttact actgtccaag ggatcgctga tgattacgat 180
aaaaagaaac tagtgaaggc gtttaagaaa aagtttgctt gcaatggtag tgtaattgag 240
catccggaat atggagaagt aattcagcta cagggtgacc aacgcaagaa catatgccag 300
ttcctcgtag agattggact ggctaaggac gatcag 336

```

&lt;210&gt; 1206

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1206

```

ntggcagtgc aaatatccaa gaagaggaag tttgtcgctg atggcatctt caaagctgaa 60
ctgaatgagt ttcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tgttcttggt 180
gagaagggcc ggcggattcg ggaactgact gctgtagttc agaagaggtt tggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg 274

```

&lt;210&gt; 1207

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 189, 201, 230, 232, 233

&lt;223&gt; n = A,T,C or G

<400> 1207

```
tgtttcccag caaagatcaa cctctgctgg tcaggagggg tgccttcctt gtcttggatc 60
tttgccctga cattctcgat ggtgtcactc ggctccactt cgagagtgat ggtcttacca 120
gtcagggtct tcacgaagat ctgcatccca cctctaagac ggagcaccag gtgcagggtg 180
gactctttnt ggatgttgta ntcagacagg gtgcgtccat cttccagatn tnncccagca 240
```

<210> 1208

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1208

```
aaagaagtaa gcctttatit ccttgttttg caaataaaac tggctaagtt ggttgctttt 60
tggtgattag tcaaagagac caaatcccat atcctcgtcc gactcctccg actcttcctt 120
ggcttcaacc ttagctgggg ctgcagcagc agcaggagca g 161
```

<210> 1209

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1209

```
gcagaaaaaa gggttgccac cccagttgat tgggaaggat gggatagtgt gatggtcctt 60
ccaaccatcc ctgaagaaga agctaaaaaa cttttcccga aaggagtctt caccaaagag 120
ctcccatctg gcaagaaata cctccgctac acaccccagc cttaagtctc ttggagaagc 180
tggtgctgtg agccagagga tgtcag 206
```

<210> 1210

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1

<223> n = A,T,C or G

<400> 1210

```
nctggctttc tacacacacc actgtccagg tgggaagggc agccactgct gtcctgcat 60
tcacccaagg aaacaaagga aagggtgcggc gaggcagggt ggggtgagta atcagcttgc 120
acttctgagc cctggcaacc ctaccatcct ctctgctgg gctcagattg aatttgggga 180
ggtattttatt ctcatgcca tttcccacc 209
```

<210> 1211

<211> 427

<212> DNA

<213> Homo sapiens

<400> 1211

```
aaaatagatg attataacgg ggcagagaac tttcttttct ctgcaagaat gttacatatt 60
gtatagataa atgagtgaca ttcatacca tgtatatata gagatgttct ataagtgtga 120
gaaagtatat gctttaatag atactgtaat tataagatat ttttaattaa atattttttt 180
gtaaatatta tgtgtgtgtt tttttttaat ctatgggaat atttcttttg gaaaatcatt 240
```

```

tttcagctca attacagagc tcttgatata ttgaatgtct tttctgtttg gcttggtctt 300
taatttgctt ttgttttgcc cagtatagac tcggaagtaa cagttatagc tagtggtctt 360
gcatgattgc atgagatggt taatcacaaa ttaaacttgt tctgagtcca ttcaaagtgt 420
ttttttt 427

```

```

<210> 1212
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<400> 1212
aaaatcttgc atggcattaa ttgttccttg cttttatagt tgtattttgt acattttggg 60
tttctttata taaggtcata gattcttgag ctgttggtgt ttttagtgca cttaatatta 120
gcttgcttaa ggcatacttt taatcaagta gaacaaaaac tattatcacc aggatttata 180
catacagaga ttgtagtatt tagtatatga aatattttga atacacatct ctgtcagtgt 240
gaaaattcag cggcagtggt tccatcatat taaaaatata caagctacag ttgtccagat 300
cactgaattg gaacttttct cctgcattgt tatatatgtc aaattgtcag catgacaaaa 360
gtgacagatg ttatttttgt attttt 386

```

```

<210> 1213
<211> 680
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 646, 668
<223> n = A,T,C or G

```

```

<400> 1213
nctgatacca cacattgaaa ggtaaacatt aatatttcaa atctgatgtc taactaaaaa 60
tgtacagaat gaaaactaga aaatttcaac cccagattat cttcaacctt gctccctcca 120
ccaatcatatc ttgacatttt atctatttcc ttctccactt atggatgtaa ttggcttgct 180
atagaaacta cagttcagat gctttgaatg tatgaactac aatgaacaat aaagtcctct 240
tcttttgaag catatttttg cttcagcttt aagataatct tatgacaaga agggtcacac 300
tgattcactt aataaattcc attcttacct aacacaaggt ttagttgata agcacttgga 360
caaaaataat acttttcaaa aatgtaaagc aaactagtga ggacaaagga ttttgtcctc 420
atctcaacaa tgatcagcta ttggaactgc atgaaactga acaattttaa cctggagctg 480
gtaatgttct taagaccaat tcagaacaaa ggcaggttgc ccttaaaaca ggtttgacct 540
tttccttcac tcttctctct gtcccaccct ctgtgagtga tttaaaaacg gaaaagggtca 600
aagcccagcc aggcctacat ttagagaaat tttaaaaaaa ttttttcttt caatttttgg 660
acctcgngcg cgacccccgc 680

```

```

<210> 1214
<211> 77
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 65
<223> n = A,T,C or G

```

```

<400> 1214

```

gtcatctttt attatgaaga caataaactc aagattttat tgtcttcata ataaaagatg 60  
acacntgcaa gggcggc 77

<210> 1215  
<211> 332  
<212> DNA  
<213> Homo sapiens

<400> 1215  
ggtggaatgt gatgttcagc agcaaacttg caacagactg gccttctggt tggtactttc 60  
aaaaggcca catgatacaa ttagagaatt cccaccgcac aaaaaagtt cctaagtatg 120  
ttaaataatgt caagcttttt aggcttgtca caaatgattg ctttgttttc ctaagtcatc 180  
aaaatgtata taaattatct agattggata acagtcttgc atgtttatca tggtacaatt 240  
taatattcca tcctgcccaa cccttcctct cccatcctca aaaaagggcc attttatgat 300  
gcattgcaca ccctctgggg aaattgatct tt 332

<210> 1216  
<211> 603  
<212> DNA  
<213> Homo sapiens

<400> 1216  
aaattgcatt cttttcaaat ttataagtct aagaaaacaa aaccaataa aagaagccat 60  
tccaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120  
aggtaatact ctgcaccca ttcttctaac acagaaaact ttctcaggta aactgtgggg 180  
ttatgagaat cccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240  
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300  
cgccagtaaa tcttcaaggg tggcatccgt ttcaatttat acttggaggt atttttaatt 360  
aaaaacaatc aataccaaaa agcttttatt ttgtgggttt aaaagtcaca aatcacagtg 420  
ggagaatgcc aaattgcttt agcttgggaa tactgaagac gcacatagca tttattataa 480  
ggcctactct taggcagttc actctcaaag caatgaaaat aatctcaaac caaacattac 540  
agtgggtttg aagcgttctc acgtttcttc cgagcaggtc agttttacat ttgctacaca 600  
gca 603

<210> 1217  
<211> 777  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 677, 685, 695, 736, 749, 750, 776  
<223> n = A,T,C or G

<400> 1217  
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60  
tttttcatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120  
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180  
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240  
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300  
tggaactggt aaaaaataa aacaaaaagc atttgaattg tatttgggtg aacagcaaaa 360  
aaagagaagt atcatttttc ttgttcaaat tatactgttt ccaaacattt tggaataaaa 420  
taactggaat ttgtcggtc acttgactg gttgacaaga ttagaacaag aggaacacat 480  
atggagttaa attttttttg ttgggatttc agatagagtt tggtttataa aaagcaaaca 540

```

gggccaaacgt ccacaccaaa ttcttgatca ggaccaccaa tgtcataggg tgcaatatct 600
acaataggga gtctccagcc tttagcgtgt tcgatattca aagactgttt tgctccattc 660
ccccagtgagg gtttcgngca accccttcc tccanaaaact ggtgtaaggg gggaaatttg 720
cttttttccc tttcancctt ttgaaattnn cccctttcat tttggacccc ccatcnc 777

```

<210> 1218

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 7, 24, 41, 42, 433, 439, 457, 467, 480

<223> n = A,T,C or G

<400> 1218

```

aaattgncaa gaagaaaatt cttingacatt tgggggctgg nngacatttg ggggcaaggg 60
ttccactgaa aaatccccc aattcacgct gaggtttcag gtcattggtg ctgaggtgga 120
agatgaggtc agggctcttg gagattttcc aaccaccct agaacttgtt tctaaatggc 180
tggggaagag gtcagtatag gtccccccgt tactgcagat gaaggcagaa gtcattctct 240
ccccaccccc tcaacttctt cagagatgtg gagataggag gcttcgatct ctaattacct 300
acgatctctt aaaaatataa aacacgtgca gttgactttg gtacaaaaaa gaaaacaaaa 360
gaacaacaaa acattctggg ccctgtgggt tttttccctc acccccacaa accattatgg 420
acctcgcccc gcnaccacnc taagggcgaa attccancac acttgcngcc cgttactagn 480
ggtatccc 487

```

<210> 1219

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 539

<223> n = A,T,C or G

<400> 1219

```

ttcccccttta atctagatag aaatactctt tatcagagat ttaaggcact gtttttgctaa 60
ctggtaaata aaaccaaagt taaatatgta agaatgttta tttgttgac ataacttttt 120
tgggtataaaa taaatgtaga agttacctgt ggaagtgtg ctcccattat tcttaaactg 180
cagggttgca ttccaaaaga actgaaacga agtcttttta gactcagtag gaggccttata 240
ttcttgaagt caatactgta acctcatttc taagggtatag aggggttgatt ctttttctct 300
taaatacatat gtaacttgca gaagattcag agtcctcaga cctctagttc ttggaattcc 360
tgtaggttta cgggtgtatgt gattgtcaag aattaatgac aaaaatgtgt cactgcctac 420
agttctgtga acactcagaa tgtattaatg agctgttttt ccatagtttt acttttagctt 480
accttgaata ctccctgtat aatcctctaa aaaggtagca tcggcaagaa agatgaatnc 540
gttggaata cag 553

```

<210> 1220

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 1220  
 ncgcaggagt gcccgcgact gagccgcctc ccaccactcc actcctccag ccaccaccca 60  
 caatcacaag aagattccca cccctgcctc ccatgcctgg tccaagaca gtgagacagt 120  
 ctggaaagtg atgtcagaat agcttccaat aa 152

<210> 1221  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 1221  
 ccaggatttt catgaggggc cgtagcttga gccaccactg ttctttggga atcctgtgct 60  
 caaaatccgt ttgcttcttc agctctgcca caggttgaaa aataacgttt cttttgctta 120  
 ttcccagcac acaaatggaa tcatcggtgg taaatTTTTT tcctctgccc cgggcctcct 180  
 tgagttttgc agtgatccac tccatagctc tggcagagat tttggttcca aagtttctat 240  
 caaatggaga gggtgcccca ccctgctgca tgtgacccag cacgttcttc ctgcagtcaa 300  
 acacgc 306

<210> 1222  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 1222  
 ctggagcctg agtccgctgc acggagactc tgggtgtgggt cttgacgagg tggtcagtga 60  
 actcctgata gggagacttg gtgaatacag tctccttcca gaggtcgggg gtcaggtagc 120  
 tgtaggtctt agaaatggc 139

<210> 1223  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 1223  
 ngcagcatca ggcctggctc caaagcatcg cggagaaaga caacaacctg gttcctattg 60  
 gcaagccagc ctgagagcac tatgatgacg aggaagaaga ggatgatgaa gatgatgagg 120  
 atagtgaaga ggactcagag gatgatgagg atatgcagga catggacgag atgaatgact 180  
 acaatgagtc accggatgat ggagaggtca atgaggtgga catggaaggc aacgaacagg 240  
 atcaggacca gtggatgac taggtagaca aggcagggtg gcctcaggga gattccaggc 300  
 cagcccaaac taccctgcat cccaaccccc aaccctgcc cacagaacca g 351

<210> 1224  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 1224  
 nggaatttgg tataattatg gtgggtgatt attttttata ctgtatgtgc caaagcttta 60  
 ctactgtgga aagacaactg ttttaataaa agatttacat tccgcaaaaa aaaaaaaaaa 120  
 aaaaaaaaaa aa 132

<210> 1225  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 411, 443, 462, 485, 492, 494, 501, 513, 515, 519  
 <223> n = A,T,C or G

<400> 1225  
 ccagaaaggt gacagtgggtc ttccagggcc tcttgggctt ccaggtccac ctggtgaagt 60  
 cattcagcct ttaccaatct tgtcctccaa aaaaacgaga agacatactg aaggcatgca 120  
 agcagatgca gatgataata ttcttgatta ctcgatgga atggaagaaa tatttggttc 180  
 cctcaattcc ctgaaacaag acattgagca tatgaaattt ccaatgggta ctcagaccaa 240  
 tccagcccga acttgtaaag acctgcaact cagccatcct gacttcccag atggtgaata 300  
 ttggattgat cctaaccaag gttgctcagg agattccttc aaagtttact gtaatttcac 360  
 atctggtggt gagacttgca tttatccaga caaaaaatct gagggagtaa naatttcac 420  
 attggacctg cccggggcgc cgntcgaaaag ggcgaattcc ancacacttg gcggccgttc 480  
 ttagnnggatc cnanctcggg nccaaacttg ggngnaatna tgg 523

<210> 1226  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 64, 365, 417, 424, 476, 482, 484, 496, 501, 517, 521, 522  
 <223> n = A,T,C or G

<400> 1226  
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60  
 ttanagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatgggg 120  
 atagtcttca tgaccacaaa taaataaaagg aaaactaagc tgcattgtgg gttttgaaaa 180  
 gggtattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240  
 cttgaccttc tttgaaaagc attcccaaaa tgctctatct tagatagatt aacattaacc 300  
 aacataattt tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtggtt 360  
 catcnccttc cctgcatttt atttgggtgt tgtctgaaga aaggaaagag gaaagcnaat 420  
 accnaattgt actatttgta ccaaactctt gggattcatt ggcaaaaaaa ttcagnnggg 480  
 gngnattatt aaatanaaaa naaaaatttt gttcctnggt nnaaggctaa t 531

<210> 1227



<211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 1227  
 aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaagtgt tatggttttt 60  
 atttttcaat ttttattttg gttttcttac aaagggttgac attttccata acagggtgtaa 120  
 gagtggtgaa aaaaaaattc aaatttttgg gggagcgggg gaaggagtta atgaaactgt 180  
 attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aagcaagtag 240  
 atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga ag 292

<210> 1228  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 1228  
 gttcacattg ataaagagac ggcgagtcga ctgaagtcta tgattaacac tactttgatc 60  
 atcaccaaca taccctacat catcatggcg ctgggtgtgt tctttggttt ggtttttacc 120  
 tggcttgcat gcaaaggaca gggatccatg gatgagggaa cagcggatga aagagcacc 180  
 ctcatcga cctaaacatt gcctttgctt ggtgaagaaa ctatgtgagc tgtcctgacc 240  
 tggacgatga cgtggggaaa cgctccacct ccttgcaggc ttgttgacct ttgaaagaag 300  
 gaaaaagaca cagcgcctggc aagtgatagg aacattctgg 340

<210> 1229  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 286  
 <223> n = A,T,C or G

<400> 1229  
 ggaaatctga aatagagtac tatgctatgt tggctaaaac tgggtgtccat cactacagtg 60  
 gcaataatat tgaactgggc acagcatgcg gaaaatacta cagagtgtgc acactggcta 120  
 tcattgatcc aggtgactct gacatcatta gaagcatgcc agaacagact ggtgaaaagt 180  
 aaaccttttc acctacaaaa ttacacctgc aaaccttaaa cctgcaaaat tttcctttta 240  
 taaaatttgc ttgtttttaaa aacaaaaaaa aaaaaaaaaa aaccntccc gggggg 296

<210> 1230  
 <211> 90  
 <212> DNA  
 <213> Homo sapiens

<400> 1230  
 ctaatacgac tcaactatagg gctcgagggc cgcccgggca ggtaaaaagt tatttattta 60  
 ttcttttttt tttttttttt ttgggaaggg 90

<210> 1231  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1231

```

ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60
atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
gatcactaca acaatttgtc tgccctccaag gtccctctgag gcagcaggct ctggggcttc 180
tgctgtcctt tggagggtgt cttctgggta gagggatggg aaggaaggga cccttaccct 240
cggtctttct cctgacctgc caataaaaat ttatggtcca aggg 284

```

&lt;210&gt; 1232

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 451, 522, 541, 548, 553, 576, 577, 578, 579

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1232

```

gtcagccttt gaggaaccg gcaagaccaa ggaggtgatt gacacgggct atggcatcct 60
ggaccagaag gcctctggag tcaaatacac caagtcggac ttgcgggttaa tcgaagtcac 120
tgagaccatt tgtaagaggc tcctggatta tagcctgcac aaggagagga ccggcagcaa 180
tcgatttgcc aagggcattg cagagacctt tgagacatta cacaacctgg tacacaaagg 240
ggccaagggt gtgatggaca tccctatga gctgtggaac gagacttctg cagaggtggc 300
tgacctcaag aagcagtgtg atgtgctggt ggaagagttt gaggaggtga tcgaggactg 360
gtacaggaac caccaggagg aagacctgac tgaattcctc tgcgccaacc acgtgctgaa 420
gggaaaagac accagttgcc tggcagagca ntgggccggc aagaaggagg acacagacct 480
gcccgggcgg ccgtctgaaa gggcgaattc cacacacttt gnggccgtac taatggatcc 540
nactcgncc cancttgctt aatcattggc atactnnnt 580

```

&lt;210&gt; 1233

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1233

```

aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctctgttca acctgcccg cgc 153

```

&lt;210&gt; 1234

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1234

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ccaaacaaga agacggcagt ctctccagaa ccaccaggg cggcactggt cacagtttca 60
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atgatcactt gactcgggtt ctataactcaa atatacagat gcagagtga ctcaaacaca 180
caggcattcc actgcagagc agatgataac aaaacaagtg gctggggaca ggggtcattc 240
aacaaccttc atttggtttg caatgtctgc aggaatctgg gtagtgggac caagacaagt 300
gagcctgctc tgtgctagcc aggtgtcacc aagtttctga tctaccagc tctcttgcca 360
gaggtgaagg ggggccctc gctgagttgc gtgttttagag gagccctgct aggtgg 416

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<210> 1235  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1235  
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 tttcaattcc tctagcttca gatccaggca tcctctgtaa tcatcactgg ccgcaagggtc 180  
 ccggatgtcc tcctcgatga ggaggtaggc catcttgccc cctgttgccc gcatgtgatg 240  
 ctgctcagcc agccagtgtc tctcctgggg gtcagacctg cccgggcggc cgctcgagcc 300  
 ctatagttag tcgtattag 319

<210> 1236  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 1236  
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 ctttgagtca acaccatcag tgggtaatca atctggttgc cctcccccta ccctgagaga 120  
 gctatcctgc ccataaacta tcaaagggtta gttttaggac cacataagta aacaagtcac 180  
 ttagataaac tacatttctg tgtatctatg ccctaagctt ttaagagaat tcag 234

<210> 1237  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<400> 1237  
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 tcatatgtcc caaaaagaga aaaaaataaa ggggacaatg ccaacatgct caacaataaa 120  
 ggcttctttt tcttattttt ttaatacaaa atacaagcaa aggatacaca tacttaaaac 180  
 agagctcagg agcagacacg cagtcctgga aacccttcaa taaaagcaaa gcaggagttt 240  
 gttttttctt tgtctatgca gatacatata gagactggga tatgtaaaaa ttaagtatca 300  
 caaaagacca tcacacgatt ctaccaatgc atgttgcatc tgtaattcac gaacatgggtc 360  
 aacaaaatca tgttcacttc aaccccatct cattt 395

<210> 1238  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 1238  
 aaatttaagg ataagtaaag tgagagtaca acagcccatc tcttagttaa aaagaaaaga 60  
 aaaagacaag agcaagccac tgccaccaca ggtaccagca cttaaatttg tcagcagggt 120  
 gaccaaagag tggcctgtct gttggcattc atcggacatg gcagctccct tcagctctcc 180  
 agtgagtttc aagttcagag cactttcagt ccttgtcttg tttatctatt actgaagggt 240  
 ttctaggaag gtttagcagt gcttcaattt tcttagcatc attctcaggt tcatcttcc 300  
 gtaaactact ttcaattttc tcaggagggt gctcagtaac ttgtagtctg cctttccact 360  
 cttccagttt tagctcatgg agtgcccttc gatccttctg 400

<210> 1239  
 <211> 243

<212> DNA  
<213> Homo sapiens

<400> 1239  
 aaaaaagtga cattgcttta ttactattgg cagggtggggc ctgcatgagg tggtagtgt 60  
 gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aagggggtgg 120  
 gtttgaaggc cagggccaag gggctctcag gtccgcttct gggaaggac agccttgagg 180  
 aaggagtcac ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240  
 agc 243

<210> 1240  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 1240  
 ggggttcagg atcccaacct atccttgggg gtggaggaca caatggaatt cataatgctc 60  
 ccgaagtggg ttccggcggg gatcgtgaat taggtgtcca gcgcgtaaca cacagacacc 120  
 atctggttct ctgtgtgaga aggagggggg tgcagcacac ccgtcatgaa taccagctct 180  
 ggagcaggac agacagggtc aaagcctggc tccaccccg ccag 224

<210> 1241  
 <211> 576  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 476, 496, 499, 504, 523, 548, 558, 572, 573, 576  
 <223> n = A,T,C or G

<400> 1241  
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 aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120  
 ataggcgagc tcatctctct catcatctgg acagggtgaa gcgaattctt cccgggcgta 180  
 ggcattgtct aagtaccgat gcaactcccc gaaggcctcg gggatggtga atccccgta 240  
 cttcttacac accacctgta ctatgtgtaa ctttggcaac aggttgagc tagccagggt 300  
 gagctcgttg ccatccaaaa acttcctctg agagacacct tcatcttcag cactggtttc 360  
 atccacttct tctgggaggg gggatgttaa gtaattgtct aaaaccttca gggctttcag 420  
 gaggcccttc tccagattgt cattgagtgc tgggtttgaa ttcttgatgt aggcanaaaa 480  
 atttggaaca tatgtncanc ccnaccttg ccgggcgggc cgntcgaagg cgaaatccac 540  
 ccacttgnng ccgtctantg gatccaactc gnnccn 576

<210> 1242  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 1242  
 ctgctgtggg gtcagcgcca gtcttggcct cattccgctt ggggagtcct gttgaccacg 60  
 tgcccctgcc ggtgaaagag tcaggggatg gggatgggtg atgtggcgga cacagcccac 120  
 c 121

<210> 1243

<211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 1243  
 aaatgaaatt tgaaaaccaa atagtaagaa atggaaagag atagttgtaa gaatccattt 60  
 accaatttta cagctaaaaa tttaaagtga gtagaaatag caaaagataa cagacaaata 120  
 tattatttta gggtcattaat ttatagtgcc ttatcatctt aagttataaa tagaataagg 180  
 attttgttat ataaaaacta tcaaaaaagt atcagtgaag agacatgacc tccatgaaat 240

<210> 1244  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 249  
 <223> n = A,T,C or G

<400> 1244  
 cncctctata gggcgaattg ggccctctag atgcatgctc gagcggccgc ccgggcaggt 60  
 gtcgtgggttc atctctttca cctgcatttt atttgggtgtt tgtctgaaga aaggaaagag 120  
 gaaagcaaatt acgaattgta ctatttgtac caaatctttg ggattcattg gcaaataatt 180  
 tcagtgtggt gtattattaa atagaaaaaa aaaaattttg tttcctaggt tgaagggtcta 240  
 attgatacnt ttgacttatg atgaccattt atgcactttc aaatgaattt gctttcaaaa 300  
 taaatgaaga gcag 314

<210> 1245  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 365, 435, 451, 458, 484, 488, 493, 496, 515, 526, 540, 544,  
 563, 567  
 <223> n = A,T,C or G

<400> 1245  
 ctggtccagg atagcctgag agtcctccta ctgctactcc agacttgaca tcatatgaat 60  
 catactgggg agaattagttc tgaggaccag tagggcatga ttcacagatt ccaggggggc 120  
 caggagaacc aggggaccct ggttgtcctg gaataccagg gtcaccattt ctcccaggaa 180  
 taccaggagg gcctggatct cccttggggc cttgaggtcc ttgaccatta ggagggcgag 240  
 taggagcagt tggaggctgt gggcaaactg cacaacattc tccaaatgga atttctgggt 300  
 tggggcagtc taattcttga tcgtcacata ttatgtcatt gcagagaacg gatcctgagt 360  
 cacanaacac tatttggcat ggttctggtc tccagacatc totatccgca taggactgac 420  
 caagatggga acatnctcct tcaacagctt nctgttgncc caaaataata gtgggatgaa 480  
 gcanaacnag aantnccac ctcccttttc acaancttat catgtntaat ataaacttan 540  
 aatntttgtc aaaaaggaaa aanaaancc 569

<210> 1246  
 <211> 169

<212> DNA  
<213> Homo sapiens

<400> 1246  
ccagaatttc cacatgttca caaaggaaga acttgaagag gttatcaagg acattttaagg 60  
aatcctgata ctcagaactt ctctgggaca atttcagttc taataatgtc cttaaatttt 120  
atttccagct cctgttcctt ggaaaatctc cattgtatgt gcatttttt 169

<210> 1247  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 1247  
aaaaattagc atggcggcac acatcttagc tacttggcag gctgaggttc cagatctgtt 60  
gccatcatgg ccccttcagg gtccctgggaa attcctggct tctcctaaat cagggtgaac 120  
tgggcctcca ggatcagggtc tggagcaggc ccaaataatg tcttggacct gcctggatta 180  
ggtgccaatg tctgagtcctg ggctccagat caactccaga cccagggctg gatctggccc 240  
catttgagtt ctgattcccc ttggagctgg gctctgggcc 280

<210> 1248  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 501, 519, 523, 530, 573, 576, 577  
<223> n = A,T,C or G

<400> 1248  
aaaagcttta tttcccccca taatttgcaa atagatttca tgttagttcc actggaagtt 60  
ttcttcgtac agttgccttt ctcatcgact atgctgttgg tggggaaaac tgctttctca 120  
tgaggggaag ggtagatttt catagagatg ctctgagcta atcacataaa caagagggtt 180  
tgacctggca gcctctgagg cagtcaagga ggtcaagaaa tcctttcagc taaaggccta 240  
gtcaggtggg actagttgcc aggatcctct ctgcagaact gccaaaacgt agctctcttt 300  
gaccaggaag cctggaagtc agaccatctt ctgaggcoct gccaaattcc catcctcagt 360  
cctgtggcct catgcgggaa cattttatcc aagcaaacca ctggctttcg ccttgagggtc 420  
caatgtgcac tcttcaccaa gtgcaagatt gatcttcaact ccaaagttca ccgttcacac 480  
agtttttggc ttgtgcttta naagctggct ctgcctctnc tangaatggn ggcatcacag 540  
cattggaaca caaagaccca gcaagcactg gtngggn 577

<210> 1249  
<211> 333  
<212> DNA  
<213> Homo sapiens

<400> 1249  
ccaggatggt ctcaatctcg acctcgtgat ccgcccacct tggcctccca aagtgttggg 60  
attacaggcg tgactcacca tgcccagcca cttagttttt tcttatttcc acctttctat 120  
cccatagaac actctttttt atcttccctg aaccataatt atgagataaa tagggctggg 180  
ggctggggccc cgctgggtcac tcaacagagt atttcccttg gccgagatgg aagttttgtc 240  
ccaatagatg agctgctgag tatcaacaag gtgacatttt tctgctacct atttgtgtcc 300  
tggagacggt ggtaccctga aggcagaggc cag 333

<210> 1250  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 1250  
 aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60  
 gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120  
 tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180  
 aaatatgaat gctaaatcaa atttttttaa aaatacacca cacgatacaa ctcaatacag 240  
 gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300  
 ttaattagca cttttgtatt atgaacaaaa caaaacaagg acctcagttc atctctgtct 360  
 aggtcagcac ctaacaatgt ggatcacact catgggaaag tgttttgagg tagttt 416

<210> 1251  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 1251  
 ccacagtga aaaggatcat ggtggagaga agcaaagtag gaaggatcat ttgaagcaca 60  
 aacaaatggg gaaactgaac agacaatctc agtatcacca catctgcttc aaaaatagca 120  
 caccaactcc cttccaaagt gcatcggtac actgcaccat cgtggaagaa atggaagagc 180  
 aggatggatt tggctggctg gagtcacatc ttgggggaagc tgg 223

<210> 1252  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 424, 428, 437, 440  
 <223> n = A,T,C or G

<400> 1252  
 ctgccagtgg gtgcaagcag acctctacta aacgcaaagt agaggaaatg gaagtggatg 60  
 acttctatga tggaatcaaa cggtcttata atgaagataa tgtctcagaa aatgtgggtt 120  
 ctgtgtgtgg cactgattta tcaagacaag agggacatgc ttcccttctg ccacctttgc 180  
 agcctgtttc tgtcatgtag tttcaacaag tgctaccttt gagtgtaaac taaggtagac 240  
 tactttggga atgagaacat gcaaaatcag gaaaggctgt agaaggaaat ataccttaac 300  
 aggctgattt ggagtgaagc agaaaaaaaa aataaaactc tcattatttg tgtggctaata 360  
 tataattcag cgttatttaa gcacataaag accaaaaaaaa aaaaaaaaaa aaaattcaaa 420  
 aaanccnct ttttttncn cccccgg 447

<210> 1253  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 1253  
 ccaccactc tttgtcaaag ctttgcggga gggggccgta cacgtagtgc ttctgccaca 60  
 tgataacgag cgcggtgaaa ccgatgaaga acatggcacc gccacaacc gtcttccact 120

```

cgttcgcagcc cctgttcacg tcagcaaagc tctccttgaa cttaatgcga tacaactcga 180
ctttctcacc catggagagg ctgctccagg aggccttctc cttctccttc agtgccttct 240
ggctggcaga caggtgcttg acatgggcca cctccggcaa ggggtggtca cgccgatcca 300
tataagctgg gagcgaaaag tcttcgctct tcacaacact ttcattgagct cgtac      355

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<210> 1254
<211> 439
<212> DNA
<213> Homo sapiens

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<400> 1254
aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaatgc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
attagatctg catatataag acacttgttg tcaaatttca agattggtta agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttgtgtccat 360
ttgctatttc ccttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctcaccg atctccttt

```

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<210> 1255
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 266, 315, 335, 339, 353, 371, 385, 389, 396, 411, 445, 473,
475, 482
<223> n = A,T,C or G

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<400> 1255
aaattcttgc attacacttt tcttttttaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcattctct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagngttg ttatcataaa gagtgttgaa gtttatttat 300
tatagacca ttganacatt tttgaaattg gaatnggtna aaaaataaaa canaaagcat 360
ttgaattgta nttggtggaa cagcntaana agaganatat ccatttttct ntgtcaaact 420
atacctgttt ccaaacattt tgganataaa taactgggaa ttttggcggc ccncttggcc 480
cntggt

```

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<210> 1256
<211> 539
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 371, 426, 482, 492
<223> n = A,T,C or G

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```

<400> 1256
aaattcttgc attacacttt tcttttttaa ccaatcttcc aggagattaa tcaatgaaat 60

```



```

ttataagttt tatcaacgta taaaatTTTT ttcattcttct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaagggt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtggtgaa gtttatttat 300
tatagcacca ttgagacatt ttgaaattgg aattggtaaa aaaataaaac aaaaagcatt 360
tgaattgtat ntgggtggaac agccaaaaaa agagaagtat ctttttctt tgtcaaatta 420
tactgnttcc aaacatTTTT ggaaataaat aactggaatt ttgtcgggca cttgcactgg 480
gngacaagat tngaaccaag aggaacgcct attggagcta aaatTTTTtt gttgggatt 539

```

<210> 1257

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 378, 501, 506, 531, 548, 581, 582

<223> n = A,T,C or G

<400> 1257

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aaatgtgtac aaattcagag gtttaaaaaa cttcgaaagt cacagacaca gaatttagga 60
agctgaaggc tgagagtctc ccttctcact taatccatgc tttattttgc attcctcaca 120
ggtaaggagg cagtgcctgt tatgtgtgg accaagacca gccccacgga gctgatcttc 180
aaaaaaatgg aatttactct ggcatactcc tatgtatgat acctttccaa ggccaaatcc 240
caagagacca gcaagtgcaa ctttgggcaa tgatccaaat ctagaattag ctgccaaata 300
accttggtag actagtccct gggtgacaag catgcttaca agagaaaaag gcagagctct 360
cttcagaaaa ctttcttctc gacattctcg cataatcttt gagatctctg ctctgtggat 420
gtgcagtttt gattttggac aaaacaacag gctctgcttg cttgggggtg gaaaatgggc 480
atctttatct ttggtttccc naacanacgc tgaggccatg atgacttttg ncttgctctt 540
cttcagntg gttatcctct tcttactcct ttgacccatg nnt 583

```

<210> 1258

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 306, 404, 503, 521, 524

<223> n = A,T,C or G

<400> 1258

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ggcaggtctg tggtacaaat cttggccctc tgtgtctcaga tcttacctca cgttcttctc 60
ctattaaatg catctaagag tgtgtgatgg ggatggagac aacctattct gggaacccaa 120
aatctatggc tctgcattga tttctgtatt ggaaggggtc gtaaattttg tatttctctc 180
tgtgtgtctt tccattactt tactgcagtg aggattttgt gtcattcacga gatgttgaat 240
taatgatagc aggtgatatc cttaggaaag actttgtatt tcagaaatat gtgaattcac 300
cttttnaagg gcataaatcc agcttaacca tgaacataat ataggactta catacaatta 360
tattcccttt ttggcaagtg gactgatttt ccaagaatgg gttncgatat aatttttcaa 420
ctgaaccaga gggatcatgg gacttacatg gcagaatgaa aatcaatgtg cacttaataa 480
tacaatggaa tcagcttttc ttngatcact ccattccatt ntanaattct tttctttc 538

```

<210> 1259

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1259

```

aaaatgttta atttgcaata tacataatac tggaattgaa atgctgtctg atggaaatgt 60
tgcaatgtgg agtaggaggg tcaagttcgt gaagatattc ttaaaattaa tcttggaac 120
tctgtgccta tgaggtttct ctaaagtggc taaaatatgc atttaatatg ttgtctaaat 180
gagtacattt aattctagag actgtaagga gtagagatta tatgctttgg ggctttttgt 240
agcatttttt t                                     251

```

<210> 1260

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1260

```

ctgcccctcc ttccacaagt actcaagcct gtttgtaaact actgaaggaa ttgatggggg 60
tgaggaaagg aggtgcatgt gaccaggggc ccaaggccac agcttttcag atcctaggaa 120
gcaagtggca tttgcttgag ttgtggcctc ggaaggagaa tgtttatctg ttttctaact 180
ttgttgacac caggattctc cctgtcattg agaagaaagc attatctaata taccttcagg 240
tggtttactt attctgtaaa gaatatgtgt aaatatattg tacagagccc tgtatcaaat 300
aaacagccat atgtgggttac taatcacctc ttctgtcatt ccgtccttgg 350

```

<210> 1261

<211> 435

<212> DNA

<213> Homo sapiens

<400> 1261

```

ggacccagtt ccttaccagc ctccctttct ctgtcagtg ggacgtcatc agccaagctg 60
gaagccatta atgaactaat tcgttttgac cacatatata ccaagcccct agtcttagag 120
ataccctctg agacagagag ccaagctaata gtggtagtga aaatcgagga agcacctctc 180
agcccctcag agaatgatca ccctgaattc attgtctcag tgaaggaga accgttagaa 240
gatgacctcg ttccggagct gggatctctc aatctgcttt catccagcca ctgcccagaag 300
ccatcttctt gctactgga tgcttacggg gactgtggat acgggggttc cctttcccca 360
ttcagtgaca tgtcctctct gcttggtgta aaccattctt gggaggacac ttttgccaat 420
gaactctttc cccag                                     435

```

<210> 1262

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1262

```

ggactgccgg tcacacacca gcacgtccca cctcgtgctc acggatttat tacacagata 60
gtggcggaac tggcctcagc ccagcccacc ctacactgct tttccagccc acaaaggggg 120
acgatcacgg cccagcaaaa gcgatgctga gaggggaaac agtcagagat ccaacagcag 180
aacttggggg aagcgggc

```

<210> 1263

<211> 176

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1263

```

tgggcattgt gggctacgtg gaaacccctc gaggcctccg gaccttcaag actgtctttg 60
ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120
agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag      176

```

&lt;210&gt; 1264

&lt;211&gt; 245

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 167, 193, 200, 201, 206, 210, 217, 225, 231, 233, 236

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1264

```

ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttata tagcaccttt agaaaaattc acaagtcccc atccacnaaa aaaaaaaaaa 180
aaaaaaaaat ttncggggan naaaantaan ttttaanaaa aaggnacccc ntncngggg 240
ggcct      245

```

&lt;210&gt; 1265

&lt;211&gt; 469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1265

```

ctgaagatag atcgccatca tgaacgacac cgtaactatc cgcactagaa agttcatgac 60
caaccgacta cticagagga aacaaatggt cattgatgtc cticaccccg ggaaggcgac 120
agtgcctaag acagaaattc gggaaaaact agccaaaatg tacaagacca caccggatgt 180
catctttgta ttggattca gaactcattt tgggtggtggc aagacaactg gctttggcat 240
gatttatgat tccctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca 300
tggcctgtat gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat 360
gaagaaagtc agggggactg caaaggccaa tggttggtgct ggcaaaaagt gagctggaga 420
ttggatcaca gccgaaggag taaaggtgct gcaatgatgt tagctgtgg      469

```

&lt;210&gt; 1266

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 368, 378, 404, 407, 434, 446, 487, 500, 506, 511, 514, 523, 526, 531, 535, 538, 541

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1266

```

ctgctcggtc cagagtaggc ttgcgagact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctacagcaaac ctctctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgatc gtatagactc 180
agtggaatgt tggtcacgtc ccatgggcct ttggctctct gtatatcctc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcatTTTTcc cattggtgg 300

```

```

ccatccaact ttacagactg tccctgggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgantt gtccccangt tatgggggtt gatgtcatga ctgnggncgg ccttctctcc 420
gtcttcgcac tcangctcag acctgnccgg gcggcccgtc gaaaaggcg aattccagca 480
caattgnggg ccgttactan tggatntcta nctnggggtcc aanttngccg naatnatngg 540
ncataaa 547

```

<210> 1267

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 378, 439, 460, 476, 485, 505, 512, 518

<223> n = A,T,C or G

<400> 1267

```

ctgctcggtc cagagtaggc ttgcgagact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctcagcaaac cttctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgatc gtatagactc 180
agtggaatgt tggtcacgtc ccatgggcct ttggctctct gtatatcctc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcattttcc cattggtggt 300
ccatccaact ttacagactg tccctgggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgagtt gtccccangt tatgggggtt gatgtcatga ctgtggtcgg ccttctctcc 420
gtcttcgcac tcagctcana cctgcccggg cggccgctcn aaagggcgaa ttccancaca 480
cttgnccggc gttactatgg atccnagctc gnaccaanct tggct 525

```

<210> 1268

<211> 360

<212> DNA

<213> Homo sapiens

<400> 1268

```

ctgattaatc attgttgatg actgcagttt tccccatcct tcccgattta catctgttca 60
ggccaattca aatatggtga gtaaataaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttta tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggtttctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca cttttttttt 360

```

<210> 1269

<211> 83

<212> DNA

<213> Homo sapiens

<400> 1269

```

ccaattcttc ttctcccccc cacccaaaga catgtgagca actgctaata aaaagcagta 60
aacagccgct taggctatag cag 83

```

<210> 1270

<211> 293

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 252, 256, 270, 285, 288  
 <223> n = A,T,C or G

<400> 1270  
 cattattaga gcaggaagta caagcattta aaatatgtag ttcccatata tttcaggggtc 60  
 tctgtgtatt aagctaactc agatgttttg aaagcttttt ctttaaacag aggtgaaata 120  
 tctgtggcta aaaagtttga gatttgtgat aactttgtag tcatgtaaaa cttaagtgtc 180  
 tcatgcctct ccaaagtgtg ttattctaata aaatggagaa atgagctaaa aaaaaaaaaa 240  
 aaaaaaaaaa ancccncccc gggggggccn tcaaaggggg aaatnccncc ccc 293

<210> 1271  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 1271  
 ctgcaagggg tcaacagcta gaatcacgcc tttctgaagg gcagagtatg ctgtaaccac 60  
 aaacttctaa ttctgggttc tgcaccatca ggaagagaat atcctacagg acagttctcc 120  
 ttgtatactg cataaaggac tagaatgtgg attcatttct gcttgctttt tgatccttat 180  
 ggtcctttat gctggcctca aacttgtcaa gcacatgttg gcagacattc atgagctcat 240  
 tcaggcctct ctgaaatggc tcaacag 267

<210> 1272  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 446, 566  
 <223> n = A,T,C or G

<400> 1272  
 attccacttg ggaggggtcag gctgtggcct tctggagcag gtggcttggt aaggaacgct 60  
 agcagggcat ggcacgtgag ctccggaata gatgtcttca tcaacttctc cactgtgtgt 120  
 tgacactgtt ttcccttacct atttccctcag atccccagct ttctcctctg ctatgcattt 180  
 tcttcacagt gcagcttgca gtccgttgct gaaaatgatt ataagccctg cataatgtta 240  
 agctttattg tgattacgtg tatgtttctt ctttctttta agcagaccca tacctttcca 300  
 ggggtcaaagt acagaataga atacattgat acaaagtaca gaaaaatact ttgattttta 360  
 tccatttctt ttactctgtg taaagacttt agaagtctaa ttcacaggca aaccaatata 420  
 gaattgactg cagttgaaca gactanaagt atttgtggga ggagtgacat gaagcatgag 480  
 ttatctgatt tttttttag ctgctatata ttttaagcct tcatttgcaa ttcattgtaa 540  
 cagtgtgtca taaatacaca ataaanccat cctgttcaat 580

<210> 1273  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 467, 555, 575

<223> n = A,T,C or G

<400> 1273

```

aaaataactt aaaaattatt gagagtagat ttttaactatt ctgcatatta ttttctttgt 60
gatatatgca tcttctgtca tcttccatgg gaaatttgac attgcaacct cacctgaggc 120
catcactttt tccttgatgc tacgaacct cctgtcatgt gtttgtacca tatcagtagt 180
gaaactgaca gtgctctgat aggggtatac tcttttatcc caatctatat cccaataccc 240
aatagcccag tattcttaga atccagttgt attcatactc tcctggatca tttctgttcc 300
tttgtaatat agtccctttc ttcccttaca ggctcatatg acattaacag acaagacact 360
tttcagaaaag acaggtaagt catttggttaa aatctcacta ctggtgttta acagaaacat 420
atatatgcat gtatatgtgt gtcagtatgg aaaaagtggg attagangtt tatctagaaa 480
agaaaaaatt acctctctaa gtgcagaaat gaataatact taaaccatac ctacaattct 540
ctttatatatt cccanataag tcaaaattaa aaaaan 575

```

<210> 1274

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1274

```

aaatactgtg taaaaacttt ttttacacct aagctgtggt tttgatactg atatcttctt 60
atgctgaata gttttcttac tttcagggaa ggtaagaaaa tacttttttt atatttggtta 120
cttatgtaac attcatattt ttctcatttt gatatttgta acatactgta tgctttctac 180
ttgtaaagtgt caacaataga attaaaatat ttattt 216

```

<210> 1275

<211> 74

<212> DNA

<213> Homo sapiens

<400> 1275

```

aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata cctt 74

```

<210> 1276

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1276

```

aaagtgttta tttttttcta taatacattt cattcaaatc ataaaagtct gatacatttt 60
tttctcaaga acaacttaca ctcatctgag atgctttttc tttcctttta tcttatagga 120
tggaacaaaga tacactttta tggacaaaaa acaccagagt tcattacaaa tacagcttcc 180
caggccccac ctccagcact tctgactgag cgtctgggac gcatacctagg atcgcaaaac 240
tgtaaaattc cccagtgcaa ctccacggca ggcagg 276

```

<210> 1277

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1277

```

ccaggctggg gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60

```

```

aagtgtgagc caccacacccc aaccagggtta tttgaacatt ttttaagtact gtatTTTTctc 120
tattgtaata ttgactgtca tctctgtgca ggTTTTtttag tggttgctct aggttgaaac 180
gctttgaatt cttaggtatc taagagttag cattttcttt ttttgactgc tatactctca 240
ccagttgcca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
agcaaacttt                                     370

```

```

<210> 1278
<211> 586
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 333, 444, 463, 550, 570, 573, 584, 585
<223> n = A,T,C or G

```

```

<400> 1278
agaagatcaa acagcgactg tttgagaacc ttagaatgct gccgcacgca cctgggggtcc 60
aaatgcaggc gattcctgag gacgccatcc ctgaggagag tggcgatgag gacgaagacg 120
accctgacaa gcgcatctcg atctgctcct ctgacaaacg aattgcctgt gaggaagagt 180
tctccgattc tgaagaggag ggagaggggg gccgcaagaa ctcttccaac ttcaaaaaag 240
ccaagagagt caaaacagag gatgaaaaag agaaagaccc agaggagaag aaagaagtca 300
ccgaagagga gaaaaccaag gaggagaagc canaagccaa aggggtcaag gaggaggtca 360
agttggcctg aatggacctc tccagctctg gcttctctgt gagtccctca cgtttcttcc 420
ccaaccctc agattttata ttttctattt ctctggggaa ttnatataaa aatttattaa 480
atataaatat cccccaggga cagaaaccaa ggcccccagc tcagggcaga cctgcccggc 540
gggccgttcn aaagggcgaa ttcagcaccn ttncggccgt tctnng 586

```

```

<210> 1279
<211> 576
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 519, 537, 550, 563, 566, 571, 575
<223> n = A,T,C or G

```

```

<400> 1279
agaagatcaa acagcgactg tttgagaacc ttagaatgct gccgcacgca cctgggggtcc 60
aaatgcaggc gattcctgag gacgccatcc ctgaggagag tggcgatgag gacgaagacg 120
accctgacaa gcgcatctcg atctgctcct ctgacaaacg aattgcctgt gaggaagagt 180
tctccgattc tgaagaggag ggagaggggg gccgcaagaa ctcttccaac ttcaaaaaag 240
ccaagagagt caaaacagag gatgaaaaag agaaagaccc agaggagaag aaagaagtca 300
ccgaagagga gaaaaccaag gaggagaagc cagaaccaa ggggtcaagg aggaggtcaa 360
gttggcctga atggacctc ccagctctgg ctctctgctg agtccctcac gtttcttccc 420
caaccctca gattttatat tttctatttc tctgggtatt tatataaaaa tttattaaat 480
ataaatttcc cagggacaga aaccaagccc cgagctcang gcaacctgcc cggcggnccg 540
tcgaaaggcn attccacaca ctngnccgt nctang 576

```

```

<210> 1280
<211> 668
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 42, 264, 522, 530, 554, 559, 567, 594, 602, 605, 616, 634, 637, 645

<223> n = A,T,C or G

<400> 1280

```
ccacccctat ggnacagggc cttgagggag ggtgagtgtg gnggcgggtct tacgtgttct 60
tctcatacct ggcaaacaga gtgagcacia gccgctggaa gccaaagcggg aaggcacatc 120
tagaaggcca gtgagctctg gaatgctaca ggcacgtgtg gatggatgag gctccatggc 180
ggccaaggag atatctgctc ctgagtaagg tcacctgacc acagacagca ccaggggctg 240
gggggctaag aaggagatct tganaaggat ggacctgagc taaagatgta acttagatgg 300
tgatctgaaa aaaggaaaaa agaataaacg ctggaactca aatccactgt ttaggggtaca 360
ggagtacaca gctaagttcc aggtatccag aatcttgtgt ccaaatacata gcacaaggag 420
aacaggaatt ctcttgagtt aaggcaaaat caatcttcac ccactctggc tcttccattg 480
catggtttgg aaagggaagg ctgggcagag atcattctc tccccatctn cccaccttgc 540
ccgggcgggc caanggccna attccanccc cacttggcgg ggccgggttac ctantgggaa 600
tnccnaacct tcggtncccc aaaacctttg ggcngtnaat tcatngggcc attagctggt 660
ttccctgt 668
```

<210> 1281

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1281

```
aaagtgactt ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagttttta tgaaaaatga caagtogatg gttaaacttc tcatgtcttt ggtgcttttg 120
ccctaatagc actggacaac accacgacca catggaaaca tattttttgga agcaaaactt 180
taattttata taacgtatgc tatggagagc taagacaatt taaggactac ttgtttttcta 240
ttttttttct taataaaaatg gaatccactg tgttgaagac tcttgatata atgtgcttgt 300
ctaaccattt tttgttttat aaattagaat aaaatatagt tgtgataatg gcatcgaatg 360
gatttgtttg gaaagctaca tcttatttgt gaaatgtttt tt 402
```

<210> 1282

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 119, 120, 129, 135, 137

<223> n = A,T,C or G

<400> 1282

```
ctgaggccaa ggagtgaaaa acctattact actaagagaa ggggtgcaga gtgtttacct 60
ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaagnn 120
tgattccant aaaaananttg tgg 143
```

<210> 1283

<211> 361

<212> DNA



<213> Homo sapiens

<400> 1283

```

caatTTTgct aatagtggct tattcacaga tataaataaa gtattagcat aaatcgtagc 60
cttaaaaaag cctTTTatat gtcctTTTtat atagaatttt acatggctctt caaagaatag 120
tatgtaattg agaaaaagat tagaagggaa tatgtagaaa tagaaagaat tatgttagag 180
tgataggatt atgtaatttt ttcttagtat ttcttcagtt catcaaactt tctattatac 240
cctgattata ctgattatat tacctcctac gctgactcaa aatctTTTTT tttccctca 300
ggtggcgaca tgtctaagaa tgtgagccag tcacagatgg caaaattgaa ccaacaaatg 360
g                                                                                   361

```

<210> 1284

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1284

```

aaagtgactt ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagtTTTtta tgaaaaatga caagtcgatg gttaaacttc tcatgtcttt ggtgctttgg 120
ccctaatagc actggacaac accacgacca catggaaaca tattTTTtga agcaaaaactt 180
taattTTtata taacgtatgc tatggagagc taagacaatt taaggactac ttgtTTTtcta 240
TTTTTTTtct taataaaatg gaatccactg tgttgaagac tcttgatata atgtgcttgt 300
ctaaccattt tttgtTTTtat aaattagaat aaaatatagt tgtgataatg gtcacgaaat 360
ggatttgTTT ggaaagctac atcttatttg tgaaatgTTT ttt                                     403

```

<210> 1285

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1285

```

caagtTTTtat gatTTtattta acttgtggaa caaaaataaa ccagattaac cacaaccatg 60
ccacctgccc gggcggccct cgagccctat agtgagtcgt attag                                     105

```

<210> 1286

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1286

```

aaattattat ttatagaaag aatctataaa ttcttgggga agtgtgttat aagctTTaat 60
aattacattg agctgcacct cagtgggtgtg tcattaacat gcagtggggt taatatctga 120
ggcctcagat gactttgtgc cttttggaat aaagggtaaa ataaactctc ccagagtaag 180
agctgtatc                                                                                   189

```

<210> 1287

<211> 568

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 539, 563

<223> n = A,T,C or G

&lt;400&gt; 1287

```

aaaaacacta cttttgcttt tttatattacc ttttaagaca ttttcatgct tccaggtaaa 60
aacagatatt gtaccatgta cctaatacaa atatcatata aacattttat ttatagttaa 120
taatctatga tgaaggtaat taaagtagat tatggccttt ttaagtattg cagtctaaaa 180
cttcaaaaac taaaatcatt gtcaaaaatta atatgattat taatcagaat atcagaatat 240
gattcactat ttaaactatg ataaattatg ataatatatg aggaggcctc gctatagcaa 300
aaatagttaa aatgctgaca taacaccaaa cttcattttt taaaaaatct gttgttccaa 360
atgtgtataa ttttaaagta atttctaaag cagtttatta taatggtttg cctgcttaaa 420
aggtataatt aaacttcttt tctcttctac attgacacac agaaatgtgt caatgtaaag 480
ccaaaaccat cttctgtgtt tatggacctg cccgggaggg cgctcgaaag ggcgaattnc 540
agcacactgg cgggcgggtac tantggat 568

```

&lt;210&gt; 1288

&lt;211&gt; 248

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1288

```

aaaaggtttc tttataatga aaaggttaaa atagctactc tgctaccaca tgcgtccagca 60
gttccacctt tagggtcttg aagagatatt tgtacacca tggtcacagg agcattattc 120
acaatagcca aaggatggaa gcaacattgg tgtccatcga cagaccatgg ataaacaaaa 180
catggtatag acatccaatg aaatattatt cagccttaaa aaagaagaaa attgacacat 240
gctacaac 248

```

&lt;210&gt; 1289

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1289

```

aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggg aaaaaataa aa 322

```

&lt;210&gt; 1290

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1290

```

cttacataat ctttgttttg atatcacagt tgtctaatta ttttactttg tagcttaagg 60
caggctgaat tggtgataaa atggaaaaag tagtatattg ttatataagc ttctgaggtg 120
tgttttgttg tataagccct ggagggttaa aagtcatccc ttatgtatag tagttaaagg 180
cataaaaactg tgacttttag atattccaca gaaccagact tatttgatgt ggataataac 240
caatgattta gcattttgtt tgcttttgtt ttattttatc cgggttcatt ttttactctt 300
cccatgcaca tgaaacaggt ggtggcgtgt agagatcag 339

```

&lt;210&gt; 1291

&lt;211&gt; 189

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1291

```

cccgctcgg cctcccaagg tgctgggatt acaggcttga gccactgcgc ccggccactg 60
ctttctcttt aagctccttt agaacaaagc tgctgtcaag gctcactttc atcagcccct 120
aggacatccc accagaatag ctctccacct ccttgctgtg tctagtcccc aagtccccac 180
tgctgcag                                     189

```

<210> 1292

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 113, 191, 318

<223> n = A,T,C or G

<400> 1292

```

ctgttggacc ggcacatttc tatgccacaa atgaccacta cttctctgat cttttcttaa 60
agtatttaga aacatacttg aacttacact gggcaaagt tgtttactac agnccaaatg 120
aagttaaagt ggtagcagaa ggatttgatt caggaaatgg gatcaatatt tcacctgatg 180
ataagtatat ntatgttgct gacatattgg ctcatgaaat tcatgttttg gaaaaacaca 240
ctaatatgaa ttttaactcat ttgaaggtct tgagctggat acactggtgg ataattaatc 300
tattgatcct tctcggngg acatctgggt aggctgtcat cctaattg 347

```

<210> 1293

<211> 516

<212> DNA

<213> Homo sapiens

<400> 1293

```

aaacagatgg agttactgtg aagaagtttt cacaactatt tatgctggta aaacaaatgc 60
tgttaaatca ctttatgcgt cgttttcaac agcagtgggg ctaattaccc ggaatacggg 120
ctcaccgatg cagttttcat ggacatagaa aattcaaata gaatatataa tattgaattt 180
aagatttggg ggggttaaaaa agaaaactta actttataaa attattttatt ctatttttaag 240
ccttctatca tattttccca tccaattggt tggtttcagt ggtccagctt tattttacagg 300
catataaaat gaaattgtga gatgttttgc aagcttcttt ttactttgag tagcttttaa 360
tttgtatgtt tttatgtgga tgaagagcat tttttatgct tttgtgcaat aggtttccaat 420
atgcatttat tagacatctg tttaaatggg aatgtagcat ttattttgct aaattgtaag 480
ggaacataga tgggaattcca aaatatgtac attcag 516

```

<210> 1294

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 68

<223> n = A,T,C or G

<400> 1294

```

aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60

```

```
gcttctgngg aaccatggaa gaagatgaaa atgagactga caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcata 157
```

```
<210> 1295
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<400> 1295
aaaaaaaacc caaaaattaa tggctcaaga tactacattg cttaaagttag gggaaaaaag 60
taaaaagggt gtgagttctg ttgcaagagc tcattttagt acttgcaaaa tctaactaat 120
tttatattat gcttggttgt agagcagtgc tcaaaattac agaagcttca aattgttatg 180
ttttcacaaa atttgctaca tatgttgaca tgaatgtgtg tcagggaatt catacccagg 240
taaattgacaa ttacatcagt atagctaatt ttggccacct tgggaggaat ggaattctgc 300
ctatttttga attaatccta cagcactcgc taaaaactaa cagccatggc accataatac 360
attttgtgag gtcttagaat attactaatg gaaacaaaaa atgtgaggta aaccgacctt 420
tccccaagaa actttgaagc cagaaatttt acctgcccgg ggcggggcgc tcg 473
```

```
<210> 1296
<211> 652
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 4, 13, 35, 355, 443, 453, 468, 470, 488, 526, 530, 535, 557,
573, 576, 577, 585, 588, 594, 597, 598, 609, 612, 618, 632,
639
<223> n = A,T,C or G
```

```
<400> 1296
gctnctactt aanaatgctt cttcctcccc cactncttca ctttaaggat aagtctaccc 60
ctaaagtgca tttctcaggc attaaaaaca gcaactgtgat ttgctttcca cagagtcta 120
aataacagcc accttcttca tttgagaggc tacagagttc aagctgagct gtgacaggag 180
ccaggggggc agggcccccag aatagctttt tgaaaaaaa taattatgcc acctctctcc 240
gcggcaggta tcttctctta ccacaaataa atattttaatg catccttgga gtcataaat 300
attgagaacc caattgacac ttcaatttcc agaaaaataa aatcatgaag gcatngtgta 360
aatattctga atttggtgga atgagacaac gcgtaagggg gcgggcctga agtctcgggt 420
ttggaactgg gggtttgggg tantgctggg tangcaagtc ctggaacncc caggctatac 480
cttggccngg cggcccgctc gaacctata gtgagtcgta tttanaaan ggcgnaattc 540
ccaaccacca cttggcnggg cgggtttacc tangtnngaa tccnaancc ttcnggnnac 600
ccaaaagcnt tngggcgnta aatcattggg gncattaanc ttggttttcc ct 652
```

```
<210> 1297
<211> 324
<212> DNA
<213> Homo sapiens
```

```
<400> 1297
ctgtaggatt gccagattta gaaaaaccaa acaatgagaa aaaccagcat gctcagttaa 60
atttgaattt cagacaaaca atgaatgctt ttactgtaaa tatatgccaa atattgcatg 120
aaacattctt aacgtgaaat tgtttctctg aaattcaaac ttaactgggc atcttgact 180
tgatctgaca atcctacaaa tagataaata caaaaaagaa aggagagggg gttgtaaccc 240
ctgccactgt tgggtcacac agagactaaa aataaaaaa acacgaataa tgaaccaaag 300
```

agtcactaca ctggttgctc acac

324

<210> 1298

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1298

```
gagaaaggca tgaagtctac cttcaaattc atggcatttt agaaggaaaa attgtcgcaa 60
gtaatgtgat tatacttcct agttttatag gtcagaaaaa tgagggtccac actaattttg 120
cctcttccac agggagatag attctcatct accatttgtgt cttttgtttc tgtttttgtc 180
atgatacctc aaattgatat atgtttgtaat tatgaattta aggaagtaaa aaaataactc 240
agggtctggag ctttcagcca tattaacata cattgacata aagacctttg ttttaatatg 300
aatgattcca gttaacaaat ggagaaatag ttgtttgaaa attaataattt agcttctcaa 360
aagagactcc tgtttggaag caaattgttg gtttaacagg acatacttta gatatttgaa 420
aaattctctg tggaatcaca atctcttatt ttttaagaatg taggaatatg tgttctatat 480
gcttttaagt tatgtattac atactattct ctaaaataga aatgtttatt tggcttctaa 540
aaagtcattt gtgagttgat gttatttt 567
```

<210> 1299

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 626, 640, 649, 655, 661, 670, 702, 712, 714, 720, 731, 744, 758, 764, 765

<223> n = A,T,C or G

<400> 1299

```
gctccaccgc cggcgcagca gggaaaggca aaggcaaagg cggtctggga gattcagccg 60
tgaagcaagt gcagatagat ggccttgttg tattaagat aatcaaacat tatcaagaag 120
aaggacaagg aactgaagtt gttcaaggag tgcttttggg tctggttgta gaagatcggc 180
ttgaaattac caactgcttt cctttccctc aacacacaga ggatgatgct gactttgatg 240
aagtccaata tcagatggaa atgatgcgga gccttcgcca tgtaaacatt gatcatcttc 300
acgtgggctg gtatcagtc acatactatg gctcattcgt taccggggca ctctggact 360
ctcagtttag ttaccagcat gccattgaag aatctgtcgt tctcatttat gatcccataa 420
aaactgcccc aggatctctc tcaactaaagg catacagact gactcctaaa ctgatggaag 480
tttgtaagaa aaaggatttt tcccctgaac attgaaaaaa gcaaatatca cctttgagta 540
catgtttgaa gaagtgcccg attgtaatta aaaattcaca tcttgatcaa tggctcctaat 600
gtgggaacct tgaaaaagaa agtcangacc ttcgggccgn gaaccaccnc ttaangggcg 660
naatttccan ccaccacttg ggcggggccg gttaccttag tnggaattcc cnanccttcn 720
ggtaccccaa ncctttgggg cggnaaaatc atttgggnca ttanncttgg ttttcccctg 780
ggg 783
```

<210> 1300

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1300

```
agaacataca gttgagtggg agtaaacaaa aagataaaca tgcatgttaa tggctgttcg 60
agagaaatcg gaataaaaagc ctaaacagga acaacttcat cacagtgttg atgttgga 120
```

```

catagatggt gatggcaaag gtttagaaca cattattttc aaagactaaa tctaaaaccc 180
agagtaaaca tcaatgctca gagttagcat aatttgagac tattcaggaa ttgcagagaa 240
atgcattttc acagaaatca agatgttatt ttigtatact atatcactta gacaactgtg 300
tttcatttgc tgtaatcagt tttt                                     324

```

```

<210> 1301
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 177, 419, 442, 542, 552, 572, 618, 625, 633, 651, 652, 662,
668, 674, 686, 691, 693, 706, 709, 716, 726
<223> n = A,T,C or G

```

```

<400> 1301
ctggcattcc ttgcacttct ctccagccga gcttcccaga acatcacata tcaactgcaa 60
aatagcattg catcacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagtntctg 180
gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttga atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcacct atgacattgg tggtcctgat 300
caagaatttg gtgtggacgt tggccctgtt tgctttttat aaaccaaact ctatctgaaa 360
tcccaacaaa aaaaatttaa ctccatatgt gtccctcttg ttctaattctt gcaaccagng 420
caagtgaccg acaaaattcc angttattta ttcccaaat gtttggaata cagtataatt 480
tgacaaagaa aaatgatac cttctctttt tttttgctgt tccaccaaat acaattcaaa 540
angctttttt gntttatttt tttaaccaat tncaatttca aaaatgtctc aatgggggct 600
ataataaaat aaaacttnac acttntttta ttnaaaacaa aactggggg nnatattcct 660
tngaaatncc taancccaat cttgcnaaaa ncnaatgacc tggggnttna cccaanaaaa 720
aaaaanaacc ctttt                                     735

```

```

<210> 1302
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
aaattatata attttagtga atcaaagact tataaaatta caatttttgt tttcacaaca 60
tagaaaaaat acaaaaatga ctatatatac ggttgtacaa ttttttacct aaatttcaaa 120
ggagcagtat gtattgaatt taatgtttta taatgtttta tctgaaactc agaactgcaa 180
gtaatttgca ggttgtacc                                     199

```

```

<210> 1303
<211> 336
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 302, 306, 313, 319, 324, 331
<223> n = A,T,C or G

```

```

<400> 1303
ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60

```

```

atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
gatcactaca acaatttgtc tgctccaag gtctctgag gcagcaggct ctggggcttc 180
tgctgtcctt tggagggtgt cttctgggta gagggatggg aaggaaggga ctcttaccct 240
cggctcttct cctgacctgc caataaaaat ttatggtcca aggaaaaaaa aaaaaaaaaa 300
ancctncccg gngggccgnt caangggcaa nttcca 336

```

```

<210> 1304
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<400> 1304
ctggaagcca acttgctggc acccccgtc cccaaccctt cttgcctggg taggagaggc 60
taaagatcac cctaaattta ctcatctctc tagtgctgcc tcacattggg cctcagcagc 120
tccccagcac caattcacag gtcacccttc tcttcttgca ctgtcccaa acttgctgtc 180
aattccgaga tctaattctc cctacgctc tgccaggaaat tctttcagac ctactagca 240
caagcccggg tgctccttgt caggagaatt tgtagatcat tctcacttca aattcctggg 300
gctgatactt ctctcatctt gcaccccaac ctctgtaaat agatttaccg catttacggc 360
tgcatctgt aagtgggcat ggtctcctaa tggaggaagt gttcattgta taataaagtt 420
attcacctga gtatgcaata aaga 444

```

```

<210> 1305
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 426
<223> n = A,T,C or G

```

```

<400> 1305
aaaattcacg gcaccatgga aatgtagctg aacgtctcca gtttccttct ttggcaactt 60
ctgtattatg cacgtgaagc cttcccggag ccagcgagca tatgctgcat gaggaccttt 120
ctatcttaca ttatggctgg gaatcttact ctttcatctg ataccttggt cagatttcaa 180
aatagttgta gccttatcct ggttttacag atgtgaaact ttcaagagat ttactgactt 240
tcctagaata gtttctctac tggaaacctg atgcttttat aagccattgt gattaggatg 300
actgttacag gcttagcttt gtgtgaaaac cagtcacctt tctcctaggt aatgagtagt 360
gctgttcata ttactttggg tctatagcat acttgcactt ttaacatgct atcatagtag 420
atttanaatg attgcctttg attttttttt t 451

```

```

<210> 1306
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
caaatgggtca ttgatgtcct tcaccccggg aaggcgacag tgcctaagac agaaattcgg 60
gaaaaactag ccaaaatgta caagaccaca ccggatgtca tcttcgtatt tggattcaga 120
actcattttg gtggtggcaa gacaactggc tttggcatga tttatgattc cctggattat 180
gcaaagaaaa atgaacccaa acatagactt gcaagacatg gcctgtatga gaagaaaaag 240
acctcaggaa agcaacgaaa ggaacgcaag aacagaatga agaaagtcag ggggactgca 300
aaggccaatg ttggtgctgg caaaaagccg aaggagtaaa ggtgctgcaa tgatgttagc 360
tgtgg 365

```

<210> 1307  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 1307  
 aaaaaaaatg tggaggaaag tagaaattta ccaaggttgt tggcccaggg cgttaaattc 60  
 acagattttt ttaacgagaa aaacacacag aagaagctac ctgaggtgtt tttacctcag 120  
 caccttgctc ttgtgtttcc cttagagatt ttgtaaagct gatagttgga gcattttttt 180  
 atttttttta taaaaatgag ttggaaaaaa aataagatat caactgccag cctggagaag 240  
 gtgacagtcc aagtgtgcaa cag 263

<210> 1308  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 94  
 <223> n = A,T,C or G

<400> 1308  
 ctgtggccct gggggcaggt gggctctgag gctgcaaaca ccctgagtgc cagtgggtccc 60  
 agagggggtg aggcctctat ctgtaccttt attncagcca gcctcctggc acagggctgg 120  
 gccacatcc tggcctctgc a 141

<210> 1309  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 1309  
 taggaacacg aagcacgata agtccatccc agagggaccg gagttatgac aagctttcca 60  
 aatattttgc tttaccagcc gatatacaaa cttgtatctg gcctctgtgc ccagcagtg 120  
 ccttggtgcaa tgtgaatgtg cgcgtctctg ctaaaccacc attttatttg gtttttggtt 180  
 tgttttggtt ttgctcgat acttgccaaa atgagactct ccgtcggcag 230

<210> 1310  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 234, 247, 251, 263, 271, 274, 280, 285, 286  
 <223> n = A,T,C or G

<400> 1310  
 ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60  
 aggcagtgaa cttgacatga ttagctggca tgatttttcc ttttttttcc cccaaacatt 120  
 gtttttggtg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180  
 ggcaaaaaaa agtttttttg tacaagcttt tttttttttt tttttttttt tttnaaaaaa 240



aaaaccnccc nggggggccc ttnaaagggg naantcccan ccccnngggg gcg 293

<210> 1311

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 420

<223> n = A,T,C or G

<400> 1311

```

agaaaaagaa ggattgatca gagcattgtg taatacagtt tcattaactc cttcccccg 60
tcccccaaaa atttgaattt ttttttcaac actcttacac ctgttatgga aaatgtcaac 120
ctttgtaaga aaacccaaat aaaaattgaa aaataaaaac cataaacatt tgcaccactt 180
gtggcttttg aatatcttcc acagagggaa gttaaacc caaacttcca aaggtttaaa 240
ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga cctagacaga 300
gatgaactga ggtccttggt ttgttttggt cataatacaa aggtgctaata taatagtatt 360
tcagatactt gaagaatggt gatgggtgcta gaagaatttg agaagaaata ctcctgtatn 420
gagttgtatc gtgtgggggt atttttt 447

```

<210> 1312

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1312

```

ccacagttga ggggaacttt gccagcattg atgaacggat gaagaagctg ggaaagtga 60
cacatttggg agctggagaa caggggttat ccctacccct gtgaactctg ttaacagctt 120
acataggggt tcccccttac tataactcta gcatcccat cccatttgac actgggggca 180
agggttcttc ttgcatgtgg ggtttatacc cctccctga tgaatacaga gtggtagcta 240
ggggttggtt atcatcagaa ggtggtctcc cctcagg 277

```

<210> 1313

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1313

```

ctgccgtgcc atatcctgct tggcccgtg cagggcggt tccagctcct cctgcttggc 60
acgagcatcc ttgagcgcca gctccccacg ctctcagcc tcggcaatgg cggcctccaa 120
cttggcacgc tggttcttga tgttttcgat ctacgctgc agcctctgga tggcccgggt 180
catctctgaa atctcattcc ggggtattcc gaggtcgtcc ccatgcttcc cagcctgggc 240
ctggagggcc tcaaaacttg tctggtacca ggcttcagcc tcagcccggc tgcatttggc 300
catctcctca tactgcgcct tgacctcagc gatgatgccc gtccagggtcc agggagcgac 360
tgttg 365

```

<210> 1314

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 3, 15, 364  
 <223> n = A,T,C or G

<400> 1314  
 gantcacaaa tgatnatact taagtgagca aaaatgacaa gttttactag ctaagtagag 60  
 aaataaatct cagatgcagc gctacaattt tcattatctt aagcacattg tacatttcta 120  
 cagaacctgt gattattctc gcatgataag gatggtactt gcatatggtg aattactact 180  
 gttgacagtt tccgcagaaa tcctatttca gtggaccaac attgtggcat ggacagcaaat 240  
 gccaacattt tgtggaatag cagcaaatct acaagagacc ctgggttggtt tttcgttttg 300  
 ttttctttgt tttttccccc ttctcctgaa tcagcaggga tggaaggagg gtaggggaagt 360  
 tacnaattac tccttccagt agtagctctg aagtggcaca tttaatatca gtttttttt 419

<210> 1315  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<400> 1315  
 ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60  
 tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagttccag agccatagaa 120  
 atatcctaga ggagaacctt cggcgctctg acaaggagtt agaaaaacta gatgacattg 180  
 ttcagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240  
 tacagggatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300  
 ttttacctgc aataccccct taccccaata ccaagaccaa ctggcataga gccaaactgag 360  
 ataaatgcta tttta 374

<210> 1316  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 37, 55, 69, 103, 111, 143, 152, 166, 191  
 <223> n = A,T,C or G

<400> 1316  
 ccaaatacagg tcataggatt cctttttttt tttaaanata agtaaatgca tccanaaatg 60  
 tatgcacana tttaagtttt ccccatagtt ttatctgcta ggngatagg nggagcttct 120  
 tagtgcttct gctgggaatt canataggac anacttgcag cctcanagga cacactgcag 180  
 gtagtgcaaa nagacatgga aggaaaacac actgcctgct acatagtttt tatcccaggt 240  
 ataatttgtg aggaatgtat agcaaatgtt tcttaaagca tgaatcctct tcttgaattc 300  
 ttgtttttat gaaagccatc caactactta ctcaatcctc t 341

<210> 1317  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 1317  
 caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60  
 tcttaaaatt gaaggtgttt acgcccagaga tgaaacagaa ttctattttg gcaagagatg 120  
 cgcttatgta tataaagcaa agaacaacac agtcactcct ggcggaacaa caaacaaaac 180

```

cagagtcattc tggggaaaag taactcgggc ccatggaaac agtggcatgg ttcgtgccaa 240
attccgaagc aatcttcctg ctaaggccat tggacacaga atccgagtga tgctgtaccc 300
ctcaaggatt t 311

```

```

<210> 1318
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<400> 1318
aaatataatt taagaacccc tccaagcacc ggcgtccgtt tctgggttcc accaccaact 60
accgcccttt tctactacctc accccacacc ccttcatagg acacagcttg ggggtcccag 120
gcggggtccg gggatgtggg atgaccaagg cactgttctg gaaacagaca tgatgatggg 180
cccctgtttc aacttgggca aaggaggcca tagtgaaaca ggttccctcc aacacaaagt 240
tatgacaagg acggtagaaa aacaaaacga agaaacaaaa agggaacggg gagaaaaatt 300
aagacacaaa acaaaactca aaaaccttca atatgaaggc agcag 345

```

```

<210> 1319
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<400> 1319
aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata ctttacaata cattagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaaa 180
ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca cagggtccagg 240
ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctggggggacc tggtaataaa 300
aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360
ctctggaaat agtcaacagg agagtg 386

```

```

<210> 1320
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 231
<223> n = A,T,C or G

```

```

<400> 1320
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ctttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa gtttttttgt acaagctttt tttttttttt tttttttttt naaaaaaaaa 240
c 241

```

```

<210> 1321
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 1321

```

```

ctggaatgca aagaaatgtg cacaaccag agctctgtca gccttgccaa aactcaagtg 60
cccccatggg aggggtcttg aacatatgtt ctgttgagca aagaggttgc aaaccaagcg 120
gttattgcaa taaacaccac ttgtgacaaa caaagtttgt aagtttaaat ttatTTTTTA 180
aaaatgcttg tcttcctcac tagacaatca actctatgag ggcagagact atgtcaccac 240
tgtcccacca gccctgggca cacagtaggt actcaataaa tatatgttgg aaggatggat 300
ggaggtaatg gatggaaaga tggatggaag gatgaatgga gggatggatg tgaccacg 358

```

```

<210> 1322
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<400> 1322
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaattgtac 120
aaagatgttt tccacttttt tcaattttta aa 152

```

```

<210> 1323
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 18, 27, 35, 60
<223> n = A,T,C or G

```

```

<400> 1323
ggcctcaatn actgtaanag accctcncag cccanaggcg cccactagga agtcagcagn 60
cctagctcgg ccacacttgg tgctcccagc atcccaggga gagacacagc ccaactgaaca 120
aggtctcagg ggtattgcta agccaagaag gaactttccc aactactga atggaagcag 180
gctgtcttgt aaaagcccag atcaactgtg gctggagagg agaaggaaaag ggtctgcgcc 240
agccctgtcc gtcttcaccc atcccgaagc ctactagagc aagaaaccag ttgtaataata 300
aatgcactg ccctactgtt ggtatgacta ccgttaccta ctgttgtcat tgttattaca 360
gctatggacc tcgggcccgc accacg 386

```

```

<210> 1324
<211> 647
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 398, 556, 611, 638, 642
<223> n = A,T,C or G

```

```

<400> 1324
aaaccaatct tccaggagat taatcaatga aattttataag ctttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggctttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaatttgt aaaaaataaa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcatttttc tttgtcaaat tatactgntt ccaaacattt tggaaataaa 420

```

```

taactggaat tttgtccggt cacttgcaact ggggttgacaa gattagaacc aagaggaaca 480
catatgggag tttaaattttt ttacctgccc cgggccggcc cgcttcgaaa ggggcgaatt 540
cccagcacac ctggcnggcc cgttacctaa gtgggatccc cgagcttcgg gtacccaaag 600
cctttggccg ntaaataaat ggggccatta agccttgntt tnccttg 647

```

<210> 1325

<211> 547

<212> DNA

<213> Homo sapiens

<400> 1325

```

ctgctcttca tttatatttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat tttttttttt ctatttaata 120
acacaccaca ctgaaattat ttgccaatga atcccaaaga tttggtacaa atagtacaat 180
tcgtatttgc tttcctcttt cctttcttca gacaaacacc aaataaaatg caggtgaaag 240
agatgaacca cgactagagg ctgacttaga aatttatgct gactcgatct aaaaaaatt 300
atgttggtta atgttaatct atctaaaata gagcattttg ggaatgcttt tcaaagaagg 360
tcaagtaaca gtcatacagc tagaaaagtc cctgaaaaaa agaattgtta agaagtataa 420
taaccttttc aaaaccacac atgcagctta gttttccttt atttatttgg gggcatgaa 480
gactatcccc atttctccat aaaatcctcc ctccatactg ctgcattatg gcccaaaaga 540
ctctaag 547

```

<210> 1326

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1326

```

ctgcctcccc agctctatcc caacctctcc caactataaa actaggcgct gcagcccctg 60
ggaccaggca cccccagaat gacctggccg cagtgaggcg gattgagaag gagctcccag 120
gaggggcttc tgggaagact ctggtcaaga agcatcgtgt ctggcgttgt ggggatgagc 180
tttttgttt gtttcttcc tttttagttc ttcaaagata gggagggaag ggggaacatg 240
agcctttgtt gctatcaatc caagaactta tttgtacatt ttttttcaat aaaacttttc 300
caatgacatt t 311

```

<210> 1327

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1327

```

aaattagaga ggtaacaag acagatgatt actatgcctc atgtgctgtg tgctctttga 60
aaggaatgac agcagactac aaagcaaata agatatactg agcctcaaca gattgcctgc 120
tcctcagagt ctctcctatt tttgtattac ccagctttcc ttttaataca aatgttattt 180
atagtttaca atgaatgcac tgcataaaaa ctttgtagct tcattattgt gaaacatatt 240
caagatccta cagtaagagt gaaacattca caaagatttg cgtaaatgaa gactacacag 300
aaaacctttc taaggatttg tgtggatcag atacatactt ggcaaatttt tgagttttac 360
attcttacag aaaagtccat tt 382

```

<210> 1328

<211> 228

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 207  
 <223> n = A,T,C or G

<400> 1328  
 aaatgcagaa gaagaaacaa aacgaaacaa aaagatcatt ctgcaaagag acctctcaac 60  
 tcttcatcag ccagtggcat aactcagaaa ctgatttaac taatttatta ttgagaaaa 120  
 ggggattgaa aaaaattggg ggggtataatc ttctgattca caattcccag ccacattctt 180  
 ttctgtttat tctctctctt ttttttnttt tttttttttt ttaaaaaa 228

<210> 1329  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 1329  
 aaacatttcc tttgctatga tacaaggat acttacaaac aaaatattac atatgacctt 60  
 gttttcgctc ttatgttctg acaacttggg aacagctttt aatgcacaat ctatacaatt 120  
 aatacagggt atatatgaac tataagggtat gctgaaccag aagaatactg acaatatact 180  
 gtacaataag ccttaccagt tagtgctgtg gaccatttat accaaaagga aaatgcacat 240  
 ctgtacagtc acctttacca g 261

<210> 1330  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 1330  
 cagggtccacc ccggagatga cacgaggctc acatgactct agacacttgg tggaaagtga 60  
 ggcgagaaaa acaatgactt gggccaatta cagcactgca aagctagagc tgccaacagg 120  
 gctccaggga gcttggtctc tgtagaagtt ctaaggaagc ggtacgaact ccacggcgg 179

<210> 1331  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 1331  
 aaaaaaatta tgacaagctt caggtaaaaa taatttttaa aggggtccatt tttcatttac 60  
 gtacaatcag tacatcttat ttacatatat gactggatct ttattctatt ttcttcatat 120  
 aagatatatt aactggtagg taactgcctt attctgtttt tatagaaaga ctaaaccacc 180  
 tattttacagg cagttttgat gatgctagtt tgtctccaaa ttacgtactg aatatagtta 240  
 aaatcttaat gaataacata aaaattaaga tccggtatta acagactatt ttatgggtca 300  
 cactggatat tcaaggagtc ag 322

<210> 1332  
 <211> 741  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 586, 602, 620, 627, 731, 734

<223> n = A,T,C or G

<400> 1332

```

ggggctgggc ccctgctttt tgtactacca tcaacatcca cttgcgcac tacagaaggc 60
tgggccttga gcatggggaa tgtggggagg gagcaggaca caccagcact gcaaatggct 120
tccttctccc agggcccaaa gggatagaaa agaaggcaac atgaagttaa ggccctgtga 180
gcagtctaga aggtccttag cagcagcttc tctgaaaaca tgtgttctgc ctctggagaa 240
agggagcaga aaagtgggtgc ctgctggctt ctctctctcc cctggcagcc tgaagacagg 300
tgcaaagtca actagaagac aggcagcctc ggggacgtgg tcagcgtgca agcattgata 360
tcctcagtgt gggctgcccg atgcaaggat ggctcggaag cgctccggtt gatcttcggt 420
agagagtgtt ggagcagctc aatggaagac aggatctggg gaaaaagagg cctctcttcc 480
tttactttct tcacacagtc aagctaccag cctcttcatt gctttggggc agttcttata 540
tagcttacta agatctgggg aggcataatcc tcggcccacc atgaanatga tctgatctcg 600
gntgttgatg tgagaataan gaagctnccc cctcatcagt tcataccaat acgatgccat 660
aaggagtaga catccgactg gaaactgaaa tgggttggtg tcctgcattt cggatcacct 720
ctggggccat ncanaaggac a                                     741

```

<210> 1333

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1333

```

tttaaaaccc aaacttccaa aggttttaaac tacctcaaaa cactttccca tgagtgtgat 60
ccacattgtt aggtgctgac ctggacagag atgaactgag gtccttggtt tgttttgttc 120
ataatacaaa ggtgctaatt aatagtattt cagatacttg aagaatgttg atgggtgctag 180
aagaatttga gaagaaatac tcctgtattg agttgtatcg tgtggtgtat ttttt 235

```

<210> 1334

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1334

```

ccacttgctg cctaaaccaa tcacagcttc agttttgttt tttgtcaagt gttggagtta 60
caagtaggca cctctctgtg cctggatttg ctcagggtca gacttggtcg ggggtgaggg 120
ggccaggcag aaatcagtta agaaggccat tccagggtga aatgcctccc ggctctacag 180
ggggtaatat ttactgtcgt cttttccctt cccagggtga ttactgacct gtttgttgtg 240
aagatgctgc tgcaataagc acaaacagaa ctcatgg 277

```

<210> 1335

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1335

```

ctgtgctccc gactcctcca tctcaggtac caccgactgc actgggcggg gccctctggg 60
gggaaaggct ccacggggca gggatacatc tcgaggccag tcatcctctg gaggtagccc 120
aatcagggtca aagattttgc ccaactggtc ggcttcagag tttccacaga agagaggctt 180
tcgacgaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240
tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300
tgccatctgg tagctgtaga ttctgg 326

```

<210> 1336

<211> 527  
 <212> DNA  
 <213> Homo sapiens

<400> 1336  
 ctggagaagt tactttttatt cttgcagttt tatactagga agtcaacatt taataagcca 60  
 tcatccacaa ttgattaaaa atgttttaac cttaaattgt gcatcaatat cctatgactc 120  
 caaatTTTTat ttatcactct ccttcaagtc tgaagaaaat gattaatttg ctaagttcca 180  
 cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240  
 taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctgggt cagaatacct 300  
 gtagtaaatc tgtaaatacca caccaagaca caacattaaa ctagggtgtg tatatcttat 360  
 aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatgggt 420  
 tttgaatcca attaagcttt caaaatgcct gatttagctgt gaattaatta taaataactt 480  
 catgtagttt gcccagcatt tcaaaatggt tatggactat catgttt 527

<210> 1337  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 385, 583, 610  
 <223> n = A,T,C or G

<400> 1337  
 gtggtagaga gctgccaggc tttgtgaatt acaggacatt tgagacaatc gtgaaacagc 60  
 aaatcaaggc actggaagag cgggtgtgtg atatgtctaca caccgtgacg gatatgggtcc 120  
 ggcttgcttt cacagatgtt tcgataaaaa attttgaaga gttttttaac ctccacagaa 180  
 ccgccaagtc caaaattgaa gacattagag cagaacaaga gagagaaggt gagaagctga 240  
 tccgcctcca cttccagatg gaacagattg tctactgccca ggaccaggta tacaggggtg 300  
 cattgcagaa ggtcagagag aaggagctgg aagaagaaaa gaagaagaaa tcctgggatt 360  
 ttggggcttt ccaatccagc tcggnaacag actcttccat ggaggagatc tttcagcacc 420  
 tgatggccta tcaccaggag gccagcaagc gcatctccag ccacatccct ttgatcatcc 480  
 agttcttcat gctccagacg tcggccagcc agcttcagaa ggccatgctg cagctcctgc 540  
 aggacaagga cacctacaga cctgccccgg gcggccgctc gangggcgaa ttccacacac 600  
 tggcggcogn tactagttgg atcca 625

<210> 1338  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 1338  
 ccacaattca aattaaggca acaaacatat accttccatg aagcacacac agacttttga 60  
 aagcaaggac aatgactgct tgaattgagg ctttgaggaa tgaagctttg aaggaaaaga 120  
 atactttgtt tccagccccc ttccacact cttcatgtgt taaccactgc cttcctggac 180  
 cttggagcca cggtgactgt attacatgtt gttatagaaa actgatttta gagttctgat 240  
 cgttcaagag aatgattaaa tatacatctt ctacacgaaa aaaaa 285

<210> 1339  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens



&lt;400&gt; 1339

```

ccaggctggt ctcaaaaactc ctgacctcag gtgatccacc caccctggcc tcccaaagtg 60
ctgggattac aggcgtgagc cagtgcaccc gaactgcatt tgatttatcc tgtgttcttt 120
attctttata ccattcacaa ttccccctgt atagccatga tgccatttat gcacttcagc 180
ctggggataa gccagggtta cttaaggaac caacttcaca aaatctaagc cataaagtaa 240
gcattcctaa taaaacaaat tgcaatgtac cattacctta tcactaccag gatcacttag 300
tctctggtgc tcaacacata agtggcaaac tttgg                                     335

```

&lt;210&gt; 1340

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1340

```

aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120
tcaatatattt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttgaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t          231

```

&lt;210&gt; 1341

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1341

```

aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtgggt 120
tcaatatattt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttgaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t          231

```

&lt;210&gt; 1342

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1342

```

cagatgcatt aggtcttggt gagtatctta atgagtggct tcagatactc aaaccactta 60
gcgatgaccc cacagtatct gcctcacggt ggaaaatacc aagtcttgg agattactct 120
ttggcagtgg tcttccccct gcacttttct gatctaattt ctgttttata ccttataccc 180
aaaacactta ctaccaacac ag                                     202

```

&lt;210&gt; 1343

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 10

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1343

```

ccgccacatn tttattgcat actcaggtga ataacttatt atacaatgaa cactoctoca 60

```

```

ttagggagacc atgccactt acagaatgca gccgtaaatg cggtaaatct atttacagag 120
gttgggggtgc aagatgagag aagtatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgctagttag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttggggacag tgcaagaaga 300
gggggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcgggggt gccagcaagt tggcttccag 450

```

<210> 1344

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1344

```

ggggcgctccc catggcgact gtggcccggc ccctcctctc ttgcctgact ctctctctct 60
gcctgactct agacactaac ttagttccag gttcgggtgcc ctgttgggtgc tctgttttcc 120
aatagcttag gtcccatggt gggggaggaa cctcaggggc tatgcagccc ccgccag 177

```

<210> 1345

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1345

```

cctcattcca ttggctgggc tccacctacc agttgggtgga catccatgtg acagaaatgg 60
agtcatcagt ttatcaacca acaagcagct ccagcaccca gcacttctac ctgaatttca 120
ccatcaccaa cctaccatat tcccaggaca aagcccagcc aggcaccacc aattaccaga 180
ggaacaaaag gaatattgag gatgcgctca accaactctt ccgaaacagc agcatcaagg 240
gttatttttc tgactgtcaa gtttcaacat tcaggtctgt cccaacagg caccacaccg 300
gggtggactc cctgtgtaac ttctcgccac tggctcggag agtagacaga gttgccatct 360
atgaggaatt tctgcggatg acccggaatg gtaccacag 398

```

<210> 1346

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1346

```

ctggacctcc aggtgtaagc ggtgggtggt atgactttgg ttacgatgga gacttctaca 60
gggcccacca gcctcgctca gcaccttctc tcagacccaa ggactatgaa gttgatgcta 120
ctctgaagtc tctcaacaac cagattgaga cccttcttac tctgaaggc tctagaaaga 180
accagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc agtggttact 240
actggattga ccctaacca ggaatgacta tggatgctat caaagtatac tgtgatttct 300
ctactggcga aacctgtatc cgggcccac ctgaaaacat cccagccaag aactgggtata 360
ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct ggcagccagt 420
ttgaatataa tgtagaagga gtgacttcca aggaaatggc taccacaact gccttcatgc 480
gcc 483

```

<210> 1347

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1347

ctgaggcagg aagctttgga gatgagccgt aaccgtattg ccgaaaacct gggggatgtc 60  
 cagataagtg acaagatcac catctcaaag aacttcaagg agaattgtgat tcgccctatc 120  
 ctgaaagctc acttccggag ggaatgagtt ctgggacgga tcaatgagat cgtctacttc 180  
 ctccccttct gccactcgga gctcatccaa ctctgcaaca aggaactaaa cttctgggccc 240  
 aagagagcca agcaaaggca caacatcacg ctgctctggg accgcgaggt ggcagatgtg 300  
 ctggtcgacg gctacaatgt gcactatggc gcccgctcca tcaaacaatga ggtagaacgc 360  
 cgtgtggtga accag 375

<210> 1348  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<400> 1348  
 ccaactagca ccgagaagtc atattgaact catttgcagt tgtcttgga attaagcgta 60  
 ttttttcatt ccagtccaag cacaaatgtg gatcactgaa cacagtactg gaagcgccat 120  
 ttgcaggtac agattgcagt catcattaaa tgagccagaa ggcagatact gtttttattt 180  
 tgtgtggggg gagggggaag cggcacagta ctgacaggag atgaaataaa atgattagga 240  
 aacaatgagg ttataagatc actgttctta ttggggttaa gcaggtcatg ttgagaagat 300  
 ggttatttct ttcaga 316

<210> 1349  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<400> 1349  
 ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc 60  
 tcaggatcat ctggaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120  
 acagcttccc ggagaagagg tcatcgatct tctgggtgga gtcctccttg aagaggttgc 180  
 tgatgatgtt gctgcccag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240  
 tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300  
 cgttgttggc gtcac 316

<210> 1350  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 1350  
 ctgagtgagg ggtggggaca ggtgcaaact ggagaggcct agagagctag agaagcaagt 60  
 aagggccagg gccagagtcg gcttcaatgg aacaacagcc cagtgcccta aggccctaa 120  
 ctcttgctgg ctgtttcttg accccaagcc aggggtggga gtcctctggg catccatttt 180  
 ttctaaagga actggacaga gtacacacag gaaaggaagc tgtca 225

<210> 1351  
 <211> 591  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 415, 441, 464, 515, 516, 526, 536, 556, 558, 566, 568, 581,  
 583

<223> n = A,T,C or G

<400> 1351

```

aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggcca ttctgtttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcttagaga gagaaactgt 240
gtcctttcag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccagggt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgtc tccanagtgt 420
gtcctcccgt gtggggccca ncaatggggg cccctgatgc caanagctct ggaggttctt 480
gaaagagggg acacgaagga aggagtgtc gggannccct cccatnccaa ggaggngggg 540
agggtggcct ggaaananct gcctcntncc acttttggcc ntnactggat t 591

```

<210> 1352

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 520, 546, 552, 569, 583, 586, 592, 596

<223> n = A,T,C or G

<400> 1352

```

aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggcca ttctgtttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcttagaga gagaaactgt 240
gtcctttcag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccagggt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgtc tccagatgtg 420
gtcctcccgt tggggcccag caatgggggc cctgatgcc aagagctctg gaggttcttg 480
aaagagggga cacgaaggag gagtgtctgg gaagcctcon tgccaaggag gtgggaggtg 540
ccctgnaaat anctgcctca tccacttang gccatgactg ganttnaat gncagnnggtg 600
tg 602

```

<210> 1353

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1353

```

cttcttttag taactagtat aacaagcact ggtatTTTTg tacaaaaaag aaaaacaaaa 60
gattgactat tgtggtctgc atgacataaa caaacaatg gtgatataca agcaacgtat 120
acccagtc agtgtgtgtt gccataattt gcaattcagc ttaacagtgc acccaatcta 180
tatttgcatt ttgatattat ttaagctcta tgtacaagg tttgcatgta tttatatggt 240
tcttagggaa aaaaaatgct ataaactgca aatctgaaat tcaaagtgtg tgttccactg 300
agaccagaag aagaagagga gttttaaaag ggataatttg ttggaaccaa taaagctttt 360
tgctgatgaa cagaaaccaa tactgtctgt cactgagaat aaaaactcat gccacttgt 420
aaaaaaaaacc ccaaaaaaaaa aaaaaaaaaa 449

```

<210> 1354

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1354

```
caaccaatta tcagcaaact ctatggaagt gcaggccctc ccccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttggtt ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggtctgtt actgcttttc 240
attagcagtt gctcacatgt ctttgggtgg gggggagaag aagaattgg 289
```

<210> 1355

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1355

```
ctgagaactt cccctctcag gtgcaaaggg atggcagaga agtctttcca agagggctca 60
atccactaag agattatggc ttagagaagg gaacagctca aagaagccct tgaagagggt 120
gaggggtctgg aggactcctg tgggtgcaggc catctcccgg atagagtgca tgg 173
```

<210> 1356

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1356

```
ccgggcaggt ccaagttaat gaggtcacgg ccagagcggg gggagaactc gactgcatag 60
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtgggtgcc cgaggcagcc 120
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180
gctgctgcta gcttggagcg gaaggggttc caggctcggg actcaatttt gtcatctcct 240
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttgggtg 300
accagtgcac ctctctttcc tcgacaaatg aagacaccct catgccgatg cggtctccacc 360
atcacattct tccccgactg gtttctcttt tttctctccc gaccacgacc ccggttgcca 420
ccagaatgga cctcggcccc cgaccacgc 449
```

<210> 1357

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1357

```
aaatgcttct tttatttcat tggttgtaca ttgggtgagt gaactgaata ttacaaccaa 60
aacatagtat tgatacaaat tagactcctg tttacactgt aaggtaatga atgagggaat 120
tctttaagtg ttacagaaag atttagtaga aatgttacca gtggtatggc tgaaagaata 180
tttcggtgaa gtgctgttat atcctgaaaa ccaagagtga aatgtagttc ccatacaagt 240
ggagagttag tctcttaact acagtatttg ttgaactgat atcttcatgt cttggatatt 300
gg 302
```

<210> 1358

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1358

ccagaatttc cacatgttca caaaggaaga acttgaagag gttatcaagg acatttaagg 60  
aatcctgata ctcagaactt ctctgggaca atttcagttc taataatgtc cttaaatttt 120  
attccagct cctgttcctt ggaataatctc cattgtatgt gcatttttt 169

<210> 1359

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 451, 462, 527, 557, 564, 568, 599, 604, 610, 661, 671, 678, 683

<223> n = A,T,C or G

<400> 1359

acatatcctt ggaacagaag atcttattgt ggaagtgact tccaatgatg ctgtgagatt 60  
ttatccctgg accattgata ataaatacta ttcagcagac atcaatctat gtgtggtgcc 120  
aaacaaattt ctgtttactg cagagattgc agaactctgtc caagcatttg tggtttactt 180  
tgacagcaca caaaaatcgg gccttgatag tgtctcctca tggcttcac tggcaaaagc 240  
atggttacct gaggtgatga tcttggctctg cgatagagtg tctgaagatg gtataaaccg 300  
acaaaaagct caagaatggt gcatacaaca tggctttgaa ttggtagaac ttagtccaga 360  
ggagttgcct gagggaggatg atgacttccc agaactctaca ggagtaaagc gaattgtcca 420  
agccctgaat gccaatgtgt ggtccaatgt ngtgatgaag antgatagga accaaggcct 480  
tagcccttct caactcattg actggaacaa aaccatagc attgggncag cagatccttg 540  
tcaccagagc aaccctnttt gccngcanca gatagtcctg aatccctctc tgatcatcng 600  
ggnggtgcn tctacacaac agatgccac ggtggatagc attggggaac cccatgttac 660  
natctgggat nttcaagnaa atnagcccgt cttcccacct gggaagga 708

<210> 1360

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1360

aaagtttgct aaatcttagc aaaaatgcag attcccagag ctcttctgat tttgaagttc 60  
cctcaactcc agaagctgag ttacctaatac gagagcattt acaatattta tatgagaagc 120  
tggcaactgg tgagagtata gcagtcaaaa aaagaaaatg ctactctta gatacctaag 180  
aattcaaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tgacagtcaa 240  
tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctggtt ggggtgtggtg 300  
gctcacactt gtaatcccag cactttgagg tgggcaatgg cttgagccca ggagttcgac 360  
accagcctgg 370

<210> 1361

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1361

ccagcctggt gcaggtgct tcttagcggg cgtcggctgc ggacttccct tcccggtct 60  
ggatcttttc atcctcgaga caggacaaga tgaagttcac ggcttcttct ggggtaaaaga 120  
ccttgaagag cccatcacag gccacaacaa tgaacctgtc attgggggtc ag 172

<210> 1362

<211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 1362  
 ccagcctgtt gcaggctgct tcgtagcggg cgtcggctgc ggacttccct tcccgggtct 60  
 ggatcttttc atcctcgaga caggacaaga tgaagttcac ggcttcttct ggggtaaaga 120  
 ccttgaagag cccatcacag gccacaacaaa tgaacctgctc attgggggtc ag 172

<210> 1363  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 1363  
 aaatttttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60  
 tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120  
 tcactttaag tttccaaata cttttgaagg ctaatgcagc ag 162

<210> 1364  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 1364  
 ccaaagaaga atcatccttt ctactccttc tctttcgtct ggtcactcag aaatataata 60  
 ttatcagcta tgattgttgt tgcttgctc 88

<210> 1365  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 261  
 <223> n = A,T,C or G

<400> 1365  
 ctgatccaga aggagctcac cattggctcg aagctgcagg atgctgaaat tgcaaggctg 60  
 atggaagact tggaccggaa caaggaccag gaggtgaact tccaggagta tgtcaccttc 120  
 ctgggggcct tggctttgat ctacaatgaa gccctcaagg gctgaaaata aatagggaag 180  
 atggagacac cctctggggg tcctctctga gtcaaatcca gtggtgggta attgtacaat 240  
 aaattttttt ggtcaaattgt naaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 292

<210> 1366  
 <211> 711  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 597, 600, 620, 626, 639, 698, 704  
 <223> n = A,T,C or G

&lt;400&gt; 1366

```

aaatgtttat ggtttttatt tttcaatatt tatttttggtt ttcttacaaa ggttgacatt 60
ttccataaca ggtgtaagag tgttgaaaaa aaaattcaaa tttttggggg agcgggggaa 120
ggagttaatg aaactgtatt gcacaatgct ctgatcaatc cttctttttc tcttttgccc 180
acaatttaag caagtagatg tgcagaagaa atggaaggat tcagctttca gttaaaaaag 240
aagaagaaga aatggcaaag agaaagtttt ttcaaatttc tttctttttt aatttagatt 300
gagttcattt atttgaaaca gactgggcca atgtccacaa agaattcctg gtcagcacca 360
ccgatgtcca aagggtgcaat atcaagggaag ggcaggcgtg atggcttatt tgttttgtat 420
tcaatgattg tctttcccca ttcatittgtc tttttagagc agccatctac aagaacagtg 480
taagtgaacc tgctgttgcc ctgagcaaca agttcaacat cattagagcc ctgtagaatg 540
acagcctttt tcagggttgcc cagtctcctc atccatgtat gcaatgcttg ttctttncan 600
tggttaggtga atgttctgan gaggcntaat ttggaactng cccggggcgg cccgctccaa 660
aaggggcgaa tttccagccc cccctgggcg ggccgttinct aatnggatcc c 711

```

&lt;210&gt; 1367

&lt;211&gt; 682

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 583, 616, 625, 631, 640, 649, 673

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1367

```

ccaggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc ctctatttgc 180
tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgaccagac ctgcccgggc ggncgctcca aaggggcgaa 600
ttccagccca cttggnccgc cgttincttg nggaatcccn agcctcggna cccaaccttg 660
gggagtaatc atnggcctta gc 682

```

&lt;210&gt; 1368

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1368

```

ctgaccacag gcatcactga gctgggcccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgacg accaccagaa ctcttgatac ctccacaatg 120
cgctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaagtt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctgggt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tctgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag 468

```



<210> 1369  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 1369  
 aaatagaatt actttattaa tctttgaaat cagtaattcc aaaggggtgcc tttaccctgg 60  
 ctcatgttgt caatggcaca ccgatttgct tcctctctct aggaaacttg tgatgaatgc 120  
 tcctctttcc ccctagatcc tccgaaaagg gaggaacaac tttggcggat gatgatgttg 180  
 aaattttaag cttgtacaaa gaaaataaag cttcatactg taatctggaa aagaagagga 240  
 agcaaaatgc aaatagccaa agagcctctt ttatatcatc tctgtgcagc agcagtaaag 300  
 ggacagagaa gacctaagca gtttgggggc atggggcaca gggaaggtaa aagatacaag 360  
 tgtgctctga cggggtatat aatgcatcag 390

<210> 1370  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 1370  
 cctggactga ctgatactac agtgcctcgc cgcctgggcc ccaaaagagc tagcagaatc 60  
 cgcaaaacttt tcaatctctc taaagaagat gatgtccgcc agtatgttgt aagaaggccc 120  
 ttaaataaag aaggtaagaa acctaggacc aaagcaccca agattcagcg tcttggtact 180  
 ccacgtgtcc tgcagcacia acggcggcgt attgctctga agaagcagcg taccaagaaa 240  
 aataaagaag aggctgcaga atatgctaaa cttttgg 277

<210> 1371  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 34, 327  
 <223> n = A,T,C or G

<400> 1371  
 aaaatgattt ttaacattat gagagactgc tcanattcta agttgtttggc cttgtgtgtg 60  
 tgtttttttt taagttctca tcattattac atagactgtg atgtatcttt actggaaatg 120  
 agcccaagca cacatgcatg gcatttggtc cacaggaggg catccctggg gatgtggctg 180  
 gagcatgagc cagctctgtc ccaggatggt cccagcgggt gctgccaggg gcagtgaagt 240  
 gtttaggtga aggacaagta ggtaagagga cgccttcagg caccacagat aagcctgaaa 300  
 cagcctctcc aagggttttc accttancaa caatgggagc tgtgggagtg attttgg 357

<210> 1372  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 1372  
 cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60  
 gcgttgtcaa tatgtaccac atgaaggaag atggttgggt gaaagtagaa agtacagatg 120  
 tcagtgacct gctgcaccag taccgggaag ccaatcaata atggtggtgg tggcag 176

<210> 1373  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 1373  
 aaagtttagc atattctgca gcctcttctt tatttttctt ggtacgctgc ttcttcagag 60  
 caatacgccg ccgtttgtgc tgcaggacac gtggagtaac aagacgctga atcttgagg 120  
 ctttggtcct aggtttctta ccttctttat ttaagggctt tctt 164

<210> 1374  
 <211> 717  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 586, 669, 683, 692, 694, 698, 704, 706, 715  
 <223> n = A,T,C or G

<400> 1374  
 ggcagcagaa ccaactgacag agctagagga gccattgag accgtgggtca ccaccttctt 60  
 cacctttgca aggcaggagg gccggaagga tagcctcagc gtcaacgagt tcaaagagct 120  
 ggttaccag cagttgcccc atctgctcaa ggatgtgggc tctcttgatg agaagatgaa 180  
 gagcttggat gtgaatcagg actcggagct caagttcaat gactactgga gattgattgg 240  
 ggagctggcc agggcagtggt ccacctgaac ttctctctca tcggactgaa caacggggga 300  
 ctccccaccc tcaactgatgt ccgggtggc cgagtcgggtg caggtggagg aagaagaagg 360  
 tggtctggct cttaattctg agggatttgg aacctggagg gtaatctcat tctgacaggt 420  
 actggattca ggccctaagg cgggggacag cacagtgttc tcttctctc cagagttcag 480  
 gaagacgtcc agggcctcct ggtccgatat gtccatcagg tccatctgct ccagcatgtc 540  
 caggttcaact tccatggatg acatgctgcc tatgggctct cggcgnctct caatctgcac 600  
 ctgcccgggc ggccgctcga aaggcgaaat tccagcacac tggcggccgt ttacttagtg 660  
 ggatcccanc ttcggtaccc aanccttggc cntnactnat gggncttag cttgntt 717

<210> 1375  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 226, 245  
 <223> n = A,T,C or G

<400> 1375  
 tggagaatca gctcagcagg ccttggccct ccccggtgga caccaggcag ctccactggc 60  
 ctccgggtca gccctcaggg ccacctgat ggggtggagg agggttaaat aaccatcttt 120  
 acagaaataa cagtctccta cagaaagtgc ctgagctcag cccatgggtcc gataacctca 180  
 tggaaaacaa acaacaaata aaaaaaaaaa gtgctgctga cacctntcaa aatctggtgg 240  
 acatnaagct 250

<210> 1376  
 <211> 594  
 <212> DNA

<213> Homo sapiens

<400> 1376

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agctcttgac ctataaagta taaaaagtaa ttacaatgaa atattcttca gttaaactga 60
cactttggga ttccaggcaa aaggatcgct tgggtgccaa gagttcaaga ccagcctggg 120
caacatagtg agattctatc tcaatggatc actgtgtggc cgttcagcat ctccctatgc 180
tgtgtcaggc aagagaaatt ctggaaagag agcatctcat gtttattaag gagactgggt 240
gtccttgtag aaagtccctgc catgcacaac cccggtctta actgatgtgt ttcaccatac 300
tgaaggcaag ttgccatcta acatagttga aggcgagcca gttgtggtga tctttgttcc 360
tgcctagtcc aatgtgaata acaaaatgaa gaatatcagg atgattcgag accaggaata 420
ctacagatgt ccaacacttc cacctggaat ccccaaagag gctcgctttt agcctccaca 480
ctggttggtg acctgcctct gcagttcact ctgctgcttc agatgaaaat tttcagggtct 540
gtctgccact gtagtgaagc actgcttttg gtagtgtctg tggagaaact tttt 594

```

<210> 1377

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1377

```

ctgtaactgt ctatgtacag aaaccggctc ggggtgctttg gcttacaggt taccttgtgc 60
catacctttg aaacaaggga cctgtccagg ctcccttctg gtgg 104

```

<210> 1378

<211> 378

<212> DNA

<213> Homo sapiens

<400> 1378

```

aaatccaggc ttaacatttt cgaggctgct gaataatgta gatccttttc agtggaaaca 60
ccttttccag agcagggtgtg ggtttttgat gcgccatgtg cactgttgct ggaaatttat 120
agttgagctt ctccagtgcg tcattcaggg catccgggtg ctgtattttg gcaacatttg 180
caatggcact tgttttctcg aatcctgttt ttttggtatg tctttccaag gtgccaat 240
cttggttttt ggaaattctc attcctccag cttttactgc aggaggatgt ccccttttcc 300
gaggggagag caggctcttg acttcatttg ccatagcgtg tgccagtgcc agtgccagt 360
ctggtgctct ggaggctg 378

```

<210> 1379

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1379

```

ctgcgcctcc tgactcgagg acaggccggt ggcaccctga accaggatgt ttccagggtg 60
aaggctcgca tggacaaagt tatccacaaa tatcatcttc aggagcatgt tgatccccag 120
ccgtgcaatc ttcttttca agtccacggg aattcctgcc tgctggtaac tggacacagg 180
cacactctct tcatagcttt ccaccaagac ttctctggtg acaaaggggc gcagaggggt 240
ggggaacttg acggctttca cattccggaa gttgacctgg aagtgttcta gattctgagc 300
ttcgtaacgc aggtcaatct gttggaccat cagcttctca aattcctcca caatctcagg 360
caagctaagc cacttgatgc ctggcaaaac tcccaggact cggtgccaa tcttcgtcag 420
cagcaggctc atatgcacct gagecgagcag gccagggtgc aacactttca ctgccacgga 480
gatgagggtt gtggcctcag gttggtgg 508

```

<210> 1380

<211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 220, 223, 252, 319, 370, 393, 409, 414, 425, 428, 429, 445  
 <223> n = A,T,C or G

<400> 1380  
 aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60  
 gttgttttga tgcaggttct tctttgtctg tttcttctct tgctcttttc acaggtccag 120  
 ttgcaccatt ttcacatgt tcatcatgtt catcatcact agcaaatttc gttttcttgc 180  
 cctgaaactg tacttttctt ttaccagacc caggtctggg agntttatta ccctttcctt 240  
 ttccttttaa tntacgacct tttgacttcc atttgtttag ggattcttgt tggctttcta 300  
 ttattttctt cagtgttnt tttcccacct ctcttcttag tacttcccaa gtcacacctg 360  
 cccgggcggg ccgctcgaaa gggcggaattc cancacactg gcgggcgtna ctantgggat 420  
 ccganctnng gaccaagctt tggcntaat 449

<210> 1381  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 1381  
 aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60  
 gttgttttga tgcaggttct tctttgtctg tttcttctct tgctcttttc acaggtccag 120  
 ttgcaccatt ttcacatgt tcatcatgtt catcatcact agcaaatttc gttttcttgc 180  
 cctgaaactg tacttttctt ttaccagacc caggtctggg agctttatta ccctttcctt 240  
 ttccttttaa tctacgacct tttgacttcc atttgtttag ggattcttgt tggctttcta 300  
 ttattttctt cagtgttct tttcccacct ctcttcttag tacttcccaa gtcac 355

<210> 1382  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 1382  
 gcctgttgca ggcaaagtga aagtctagaa aataatgcaa atgtcatggc tactctatat 60  
 acttttgctt ggttcatttt ttttcccttt tagttaagca tgactttaga tgggaagcct 120  
 gtgtatcgtg gagaaacaag agaccaactt tttcattccc tgcccccaat ttcccagact 180  
 agattttaag ctaattttct ttttctgaag cctctaaca atgatctagt tcagaaggaa 240  
 gcaaaatccc ttaatctatg tgcaccgttg ggaccaatgc cttaattaaa gaatttaaaa 300  
 aagttgtaat agagaatatt tttggcattc ctctaattgt gtgttttttt tttttttg 358

<210> 1383  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 1383  
 ctggacagta gattacaaag catctccgat cacgttaagg cagatgatca atctgtggct 60  
 gcatctgtaa ctctctctgg gaaaataatc ctgttgaggt tgggggctct tccagttgt 120  
 ctggttagtt ggcccaggaa ggggcagtc tgaagctggc ggggtggggag ccaggcccca 180

```

cctgtcttgt cactgctcgt tctgctggcc ctctgtcact gatgctgata cggagccctg 240
gcccttggtg acatcactga tgcacaccca ctgcccatac actgactcct tccacagggg 300
caccttattg tctccaccag agacagccag gatgttggct gtgatggacc agctcacatg 360
ccacaccaca tcgttgaact tgtgcaacaa tttaggggac cacgtattgc ttgaggcatc 420
atcacaggtc caaatgaaca caccgaccatc ctggggagcag 460

```

```

<210> 1384
<211> 259
<212> DNA
<213> Homo sapiens

```

```

<400> 1384
aaactcacat ccatattaca cctttccccc ctgaaatgta tagaatccat ttgtcatcag 60
gaatcaaaac ccacagtcca ttgtgaagtg tgctatatatt agaacagtct taaaatgtac 120
agtgtatttt atagaattga agttaacatt cttattttca agagaattta tggacgtttg 180
agaaatgtac aaatgcattt ccaaactgcc ttaaacgttg tatttttata gacatgtttt 240
ttaaaaatcc taagttttt 259

```

```

<210> 1385
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

```

```

<400> 1385
ccaggctggt gtogaactcc tgggctcaag ccattgcccc cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccagggtta tttgaacatt ttaagtact gtattttctc 120
tattgtaata ttgactgcc a tctctgtgca ggtttttttag tggttgctct aggttgaaac 180
gctttgaatt cttagggtatc taagagttag cattttcttt ttttgactgc tatactctca 240
ccagttgcc gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaacttt 370

```

```

<210> 1386
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 1386
ccaacagagt gaagccctgt ctctactgaa aatacaaaaa ttagccaggt gtggtggtgc 60
atgcctgtaa taccagctac ttgggagggt aaggcatgag aattgcttga acccaggagg 120
tggaggctgc agtgagccga gatcacgaca ctgcactcca ggtcctagaa tgccacaaaa 180
gcccttgga accttgctct atgggcggtg gctaactcct gaaggtttct gagcaagggg 240
gtaacaggac aggcggggcat gtcataaacg tcacctggga cgtgagtggg gg 292

```

```

<210> 1387
<211> 181
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 45, 113  
 <223> n = A,T,C or G

<400> 1387  
 gttttatattt ggaccaaaaa aaaaagcaat tgaattgttt tgtanctgga ggcattgggca 60  
 aggggggtcc ccaggtagta aactcccag gtgggctgag ggctagggct gancctcagg 120  
 tgggtctcct gttcccagtg ctaccctgca tagcggcctc cttcccaggc cctggggcag 180  
 c 181

<210> 1388  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 487, 489, 496, 507, 523, 541, 548  
 <223> n = A,T,C or G

<400> 1388  
 aaagataagg aaagaggctc atagagttaa tatcatttgc cccagggtcac atagttgaag 60  
 cggcagagag attagaatgc aactccactc taaagtcctc ctgctttcct ccaacatcag 120  
 gcgttcccca ttgtaccaca cccttacatg gaaaacaact cttggcggat ttatggctct 180  
 caggaggagt tgatctagcc catccaatgt atgccttttt tggagcttgg gagtagagaa 240  
 atctggacca catttccaag agggcaagtc tgatttgtct atttcttctt tgtttcagaa 300  
 gaaagacctc aacagggtggc gaaagaagca tagaaggatt gaatgctgcc taccgcactg 360  
 gtgggctatt aatagttccc ctaagcatgt tctttaatag aaaacggaga aaaatgttga 420  
 taaacaaaaa tgtgcaaacc caatgtgcat gttaataaat gattccaatt taatccccta 480  
 aattctnana cttggncgga cccctanggc aattcacctt ggngcgtcta tgatcactcg 540  
 ncatttngna aatggctact 560

<210> 1389  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 399, 453, 472, 482  
 <223> n = A,T,C or G

<400> 1389  
 ctggctttgc agtcatgcat aaagggtgagg acacttaatt caaggcatct gggggctggg 60  
 gtcacgcac atgaagagta gtgccatgc tgtccacga gcttccttgg gaaaaggga 120  
 aaacaaatct ttctctcaaa tagaattgtc gcaggaaaga gccatgacat ttcatcact 180  
 gtttaatcat cgggtggcag gatttctttg aagtagaatc tggtagtacc cctcccaatc 240  
 ttgtctggat cacttctaaa tgggtgaatat actctgtcaa ggaatgttct ggatcttgag 300  
 aagcagtcag ggatctttct aatcttgaat ttggggatgg agtggctctt cccccactgt 360  
 gtggggaggc tgctgtgccc agtctgcggc ctctggcang gtccctggtg tggacctccc 420  
 ggcggccctc aaaggcgaat tcaccactgc ggncgtctat ggatccactc gnccacttgc 480  
 gnatatgcta ctgtt 495

<210> 1390  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<400> 1390  
 aaaggacaag aatccttcaa gaaacaggaa aaaactccta aaacaccaaaa aggacctagt 60  
 tctgtagaag acattaaagc aaaaatgcaa gcaagtatag aaaaagcgca ttgaacagtc 120  
 ctgggcacta catgtaaatt aagcccaaag atggggagaa aggaaaagga gagacaaata 180  
 tagtccatac tgagtgtcat caacaatcca gactgaagtc ttctatttta atctcaatcc 240  
 ccttttctga tttgccaccc atgcctcttc aggctggaaa caatctcttg gttccctaaa 300  
 gcactttctt ctgactgctg tgattcagtg aaccttgccc ttgctttctt attacttggtg 360  
 catttgccctc acctgacaat gtttt 385

<210> 1391  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<400> 1391  
 aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaatggt tatggttttt 60  
 atttttcaat ttttattttg gttttcttac aaagggttgac attttccata acagggtgtaa 120  
 gagtggtgaa aaaaaaattc aaatttttgg gggagcgggg gaaggagtta atgaaactgt 180  
 attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aggcaagtag 240  
 atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300  
 aagagaaagt ttt 313

<210> 1392  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 1392  
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60  
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120  
 ccagctccag cagccttctt gtccactgct ttgat 155

<210> 1393  
 <211> 568  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 483, 488, 492, 504, 519, 524, 534, 535, 540, 554, 557  
 <223> n = A,T,C or G

<400> 1393  
 aaacatgata gtccataacc attttgaaat gctgggcaaaa ctacatgaag ttattttataa 60  
 ttaattcaca gctaatacagg cattttgaaa gcttaatttg attcaaaaac cataatgttg 120  
 gaatttggtg aaatttttaatt gttgattttt actgtgaaaaa ggtttttata agatatacac 180  
 accctagttt aatgttgtgt cttggtgttg atttacagat ttactacagg tattctgaac 240  
 caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300  
 agtaggacat cataactaaat gttatgtcag tgggactgta ctgtctgttg aacttagcaa 360

```

attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttggag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gtnacttnct antttaaact gcanaataaa agtaacttnt ccanactcgg ccggnacacn 540
ctaaggggaa tccnccnctg gcggccgt 568

```

<210> 1394

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 404

<223> n = A,T,C or G

<400> 1394

```

cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 60
gggttccttg aacttctacc agtgccactc tgacaggcct caccagaggc gccacctaca 120
acatcatagt ggaggcactg aaagaccagc agaggcataa gggttcgggaa gaggttgta 180
ccgtgggcaa ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc 240
cctacacagt ttcccattat gccgttggag atgagtggga acgaatgtct gaatcaggct 300
ttaaactgtt gtgccagtgc ttaggctttg gaagtggta tttcagatgt gattcatcta 360
gatggtgcc a tgacaatggt gtgaactaca agattggaga gaantgggac cgtcaggagg 420
aaaatgg 427

```

<210> 1395

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 546, 552, 574, 586, 588, 593, 601, 615, 618, 621, 626, 631, 633, 636

<223> n = A,T,C or G

<400> 1395

```

aaagaatctt ttagacatct ggaagccttt ctattcatte ctcagtacag tgttccagcc 60
atcctgcttg ttttttccct ccaatacctc ccagaacaga aacacttgca tcgagtctgt 120
tcctaagaac tagttttgaa aaagaagcga tgtacaaaaa tatttaacag aactatgaaa 180
gatgcaggaa aggagtcttt cttcgttagca aagtagtcgt tgctttgcat gggttctttt 240
gtatactctt cagggtttgt ttatctgccc catgaataac acagcacctg taggattatg 300
tcggatgaaa aacagaaaag gtctgtctac tataaaccag ggaggcgatg atcttgcaat 360
gagaattgca gttgttgctg ctgaagcttt ggttccatct tcaactgactt caatttttgc 420
tttttgcaag atatgagaaa catggagggt ttctgacctt gttattttgc aaaatttgc 480
tttgatgaat caaacatgtc aagtaatgcc aaaactttca gcgggttcct tcaaatctgt 540
ttgtgnttca anacctgccc gggcgggcgt tcanggggaa ttccancccc ctngcgggag 600
ntctagtgg a tccanctngg nccaancttg ngnaanattg ctac 644

```

<210> 1396

<211> 206

<212> DNA

<213> Homo sapiens



&lt;400&gt; 1396

```

caggtggggg aggggcggtca tttcactagg ggccgagttt tatcatcgtc accgcactgg 60
tgagctttgt actttttcac ttctgccatg tacttggccc acgcgtcacc tttacttggt 120
aatacctcat cctccgtctt ctgcttcttg gctactattc ccgtcttgag ggctagtttg 180
ttcccgctc tgcgtttgcc cacgaa                                     206

```

&lt;210&gt; 1397

&lt;211&gt; 313

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1397

```

ctgccaacac caagattggc ccccgccgca tccacacagt ccgtgtgctg ggaggtaaca 60
agaaataccg tgccctgagg ttggacgtgg ggaatttctc ctggggctca gagtgttgta 120
ctcgtaaaac aaggatcatc gatgttgtct acaatgcac taataacgag ctggttcgta 180
ccaagaccct ggtgaagaat tgcacgtgac tcatcgacag cacaccgtac cgacagtggg 240
acgagtccca ttatgcgctg cccctggggc gcaagaaggg agccaagctg actcctgagg 300
aagaagagat ttt                                             313

```

&lt;210&gt; 1398

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1398

```

ctgggagcat cggcaagcta cagccttaaa atctgagctc ctcaagtgca caatttctgt 60
cccttttaag ggctcacaac actaaagatt tcacatgaaa gggtcgtgat tgattgagca 120
atctagggga tatgtgacag gggtttcatg c                                     151

```

&lt;210&gt; 1399

&lt;211&gt; 654

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

```

<222> 17, 406, 420, 431, 441, 476, 488, 515, 517, 522, 538, 542,
549, 552, 557, 561, 564, 575, 594, 601, 604, 620, 623, 626,
642, 645, 651, 652

```

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1399

```

aaagagctta tcctcanaaa taagcttcgt cttgagttgt tgaactacaa aacactattt 60
tctgcagtca tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120
tctcccgctc ctctgtccct cctacccac ggggccgcag caaaagccat cctgggcctt 180
cgactggggc atgtcttcag gaagattcct gaagaggagg gcccgaataa cctgccttta 240
taggttccca gagtgcccta gaacattctt agatacatat tttttaaaca agtaggactc 300
caccttattt tctccaatag tccccaagca gtacagggtca cttgaagaca taaacattct 360
tcttggttga gggatccacg cccttgtttc agaaatgaca ccacanaagg ctgtgaactn 420
caggagcatc nttgggatgt nccggatgaa ccgggggtta aaggttttct atttcnataa 480
acctgtcnca cttgtccggg aatggggggg aaacntnttc tntaataggc accaaccnct 540
antacaaanc antggtngcc nttnaccaca ttgnggaact tcccggccct aagntgggct 600
ngcncaactt taattttatn gancanaaaa ataaacgttt tntcnttgga nnga       654

```

<210> 1400  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 1400  
 ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcggtttc cacagcattg 60  
 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120  
 gataccggga agacctgatg gcgggaatca tcatcgagc ctgggaccct caagaaggag 180  
 ggcaggtgta cccagtgcct atggggggta tgatggtaag gcagtccttt gccattggag 240  
 gctccgggag ctctacatc tatggctatg ttgatgctac ctaccgggaa ggcattgacca 300  
 aggaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1401  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 1401  
 ctgaggccaa ggagtgaata acctattact actaagagaa ggggtgcaga gtgtttacct 60  
 ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaaaaa 120  
 a 121

<210> 1402  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 371  
 <223> n = A,T,C or G

<400> 1402  
 aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60  
 ccaggtcctc tgataccag agcattacgt gagccaggta atgagggact ggaaccaggg 120  
 agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180  
 gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240  
 ggtaaaagtg tgagcagtga gttacagcga gaggcagaga aagaagagac aggagggcaa 300  
 gggccatgct gaaggagcct tgaagggtaa agaagtttga tattaagga gttaagagta 360  
 gcaagttcta nagaagaggc tgggtgctgtg g 391

<210> 1403  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 358, 382, 429, 457, 458, 463, 473, 482, 489, 498, 499, 506,  
 514  
 <223> n = A,T,C or G

<400> 1403

```

agcatggtca cgcgcattggg ttagagccct gctcgatgct cacagggccc ccagcgagag 60
tccctgcagt ccccttcgac ttgcattttt gcaggagcag tatcatgaag cctaaacgcg 120
atggatataat gtttttgaag gcagaaagca aaattatggt tgccactttg caaaggagct 180
cactgtggtg tctgtgttcc aaccactgaa tctggacccc atctgtgaat aagccattct 240
gactcatatc ccctatttta caggggtctct agtgcgtgtga aaaaaaaaaa atgctgaaca 300
ttgcatataa cttatattgt aagaaatact gtacaatgac tttattgcat ctgggtanct 360
gtaaggcatg aaggatgccca anaatttaag gaatatggga aaaatagtgt ggaaattaaa 420
aaaaacttng gctgattttc aaatggacaa actgccnntt ttntttcctt ttinctggacc 480
tncccggnng ggccgttnna aggggnaaat tccnccact tgg 523

```

<210> 1404

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 344, 446, 458

<223> n = A,T,C or G

<400> 1404

```

ctccaggcgc cctcgccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgtttaggtt ggtagggaca cagatgaccg acctgggtcac tcctcctgcc 120
aacattcagt ctggtatgtg gggcgtgctg gaagcaagaa ctctggagc tacagggaca 180
gggagccatc attcctgcct ggggaatcctg gaagacttcc tgcaggagtc agcggttcaat 240
cttgaccttg aagatgggaa ggatgttctt ttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttgaaac tgtngaagag aatcaagaag 360
aaaaataaaa atcagacctc ggcgcgcacc acgctaaggc cgaattccac acacttgcgg 420
gccgttctat ggatcccaac ttcggnccca acctggngt aatcattggc ata 473

```

<210> 1405

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1405

```

ccctaactta gatggttttt gaagcctata caattggtat tgttcgaccc ttaagctttt 60
acatctctta gcatggagga cgaagaaagc tgtacattgt tgcttgagag tctgtacatt 120
tagtccagat ttgtatttgc actgtcagta tggcaaatga gtgaaaaatg ttttaatacac 180
tattggattt tttatttctt ttttttgatt cagcttatac ccgggctgaa aacctcaatt 240
tatgttcatg acagtgggga ttttttt 267

```

<210> 1406

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1406

```

tgaaaacctt gaaaactatt acctggaggt caatcaactt gagaagtttg acataaagag 60
cttctgcaag atcctggggc cattatccta ctccaagatc aagcatttgc gtttggtatg 120
caatgcgcatc tcagaaacca gtcttcacc ggatatgtat gaatgtctac gtgttgctaa 180
cgaagtcact ctttaattaat atctgtatcc tggacaata ttttatggtt atgtttttct 240
gtgtgtcagt tttcatagta tccatatttt attactgttt attacttcca tgaatttt 298

```

<210> 1407  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 1407  
 gaggcaaatt ggtttacacc ttcattgtaatt tcttttactt taggggttgt aaagctactt 60  
 tattagatat agaattggcag attctctgat ttaaaagggc tgagtttgta ttattactga 120  
 tatgaagaat agagtaccaa tgcatttaatt tgatttttct tgtaaatcag aattcctatt 180  
 ctgtaccttt cctctaactt ctcagatttg taattcttct tttgggagct gagctagtgc 240  
 ttttaggaga acagataaat gtggtctcag ccagccctag agactgcttc ttgtgtttgt 300  
 gtcattctgt cctgagaaat gaagtcac 329

<210> 1408  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 1408  
 tcccaaccct ggcttggggc caagaaacag ccagcaagag ttaggggcct tagggcactg 60  
 ggctgttggt ccattgaagc cgactctggc cctggccctt acttgcttct ctactctct 120  
 agg 123

<210> 1409  
 <211> 674  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 527, 546, 573, 615, 621, 622, 633, 636, 638, 645, 654, 660,  
 667  
 <223> n = A,T,C or G

<400> 1409  
 cttgtgaaac cctggaaatc ttaagtctgt tgaaatacca ggttaaaccac attccaagag 60  
 atctgttcaa actcaaattc ttttgataac ttctgaggtg cctgagaaaa agacttcatt 120  
 atttatgaga aaatatgctt tatcttggaat attgtgttca aatgttagct tactattttg 180  
 tagaatgaat gtttatgaag ctgatattgag accatctcag aagaaccaag cagggttcctt 240  
 gaccttttgc ttgcttttct gaacattgtg aatattacac atgtctttct aaattattct 300  
 agggatgca aatgtcaatg gtatgaaaca ccactgtctg gaagaattaa tatattactt 360  
 tagtatgtac ctgagctaaa tgactgaagc tttaggggtg catagaaacc accataattt 420  
 gtatgacatt ttgaagtga ttaaatattt ttgaacatgc ttcttcgaca gccagtgtta 480  
 tatttttcag aatcacccca agcacaatgg attactcgaa atcagntttt tcaaatata 540  
 tatttnaagg catgccaact tgactttcct gtnaaaaata ctggctgcca aattattcct 600  
 ttttttttaa acttnggccg nnaacccct tangngnaa ttcncccc tgngnggcn 660  
 ttcttangg atcc 674

<210> 1410  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 497, 510, 537, 543, 550, 566  
 <223> n = A,T,C or G

<400> 1410  
 ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60  
 aggactcaat atcaggagaa cagcactgag cgggtggtgc taaaccgttt gtgaggactc 120  
 tgccccataa tcccatcgcc tcccaccagg gggcttacat ttcaacatga gactcgggtga 180  
 ggacacagat ccaaaccaca tcaatagtgc ttcatgctt ttgattatct tttgtaacta 240  
 tgttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300  
 ggtcttaagc atattcagag ttgtgtggcc atcgctacag tcaatttttag gacattttta 360  
 tcaactgcaa agaaagacct caatcttccc attcctccca tcccgaacaa ccaactaatct 420  
 acttctctat atggagattt gcttattctg gacattttac ctgcccgggc cggccgctcg 480  
 aaagggcgaa attccancac acttggcggn ccgtactaat gggatcccaa cticgtnccc 540  
 aancitttgn gtaatcattg ggcatnactt 570

<210> 1411  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 37, 76, 210  
 <223> n = A,T,C or G

<400> 1411  
 aaaaaaaaaa agaanaagaa ggtttatata cactgtncac acattttacaa tggcttttga 60  
 ggatagcagt gctgcnaaaa gggcttcagg aggatccggc ctgggacagg attgaggtat 120  
 gttgcagcct ccagggcctg ggggtctcctg catgaaaaat acccctcccc atttgactgt 180  
 gaactttttt gcctggattc tggagaacan atttcagga ttgtca 226

<210> 1412  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 1412  
 ctggacgcgc ggcctctggt cagtcctgga agtgcttggt gagggcttcc agcagctcct 60  
 gcttcttcag accactcttc agcccgtaag cccggcaggc ctctttcagc atgggcacag 120  
 tgaacttgcc cagcgtaccc ttgctgatgt gggcttcag ctctctttct gaatactcca 180  
 ccttgggcct ttgcttcca gaac 204

<210> 1413  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606  
 <223> n = A,T,C or G

<400> 1413

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcacccct caatattcct tttgttcctc tggtaattgg tggcgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangcttg gggtcctaat tggaggagaa caatgncctg acaagtgacc 480
aacacngagt ccatcgtcaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgccttttag aatgngggac cttgcctgga tgnccctaca gngngatgnc tttgaagatn 600
ggggngtgaa tactgaggtc ca                                     622

```

<210> 1414

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604

<223> n = A,T,C or G

<400> 1414

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcacccct caatattcct tttgttcctc tggtaattgg tggcgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaaag 420
acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480
cggagtccat cgtcaattgg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540
ttgtanangg gngnaccttg nctggatgnc ctcacagggg atgacttgag gatgngggggc 600
tggntactg                                     609

```

<210> 1415

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1415

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacagga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcacccct caatattcct tttgttcctc tggtaattgg tggcgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg                                     390

```

<210> 1416

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1416

```
caaccaatta tcagcaaact ctatggaagt gcaggccctc ccccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttgtaa ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggctgttt actgcttttc 240
attagcagtt gctcacatgt ctttgggtgg gggggagaag aagaattgg 289
```

<210> 1417

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1417

```
ctgacccacg gcatcactga gctgggcccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgacg accaccagaa ctctgatac ctccacaatg 120
cgcctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaagtt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctgggt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tcctgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag 468
```

<210> 1418

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546, 548, 555, 575, 581

<223> n = A,T,C or G

<400> 1418

```
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtgggtg acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatggtcatt acacttaana atctggnctg aattttntan cttcttataa aatacttgac 480
cgatattacc tcntcctttt aagtttctna atcctctgtg ncctgaaggg ntanaatttt 540
tggttnangg ctttngggac aaattttttt ttgcnatggg nggtaaaatt t 591
```

<210> 1419

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 663, 676, 689, 693

<223> n = A,T,C or G

&lt;400&gt; 1419

```
gcattttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ctttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcttttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catcagggaa 480
tgtggaaatg actttgctga attctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaattcttg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccctgca ttttaccctg cccggggcgg 660
gcntccgaa aagggncgaa attcccagna ccncttggg 699
```

&lt;210&gt; 1420

&lt;211&gt; 646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568, 576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1420

```
ccttattgaa gatgaatgga tcaccattga taaatttacc agattcactg atgttccttt 60
agctgcggga tttcagtggt acctttctca aactcaactt agtaaactaa aaccaggtga 120
ctggtctcag caagacatag gtactaatth gggtgaagca gataaccaag cagagtggac 180
cgatgttcag agaagatta tcccatggaa cagtcgtgtt tccgacttag acctggagct 240
cctgtttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300
ctcgtctcgc gacaaaccga ccaatthtag aggactgtgc aggacctgtg aggtatttgg 360
ggcttcagtg ctggttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420
cagtgtctnt gcnaaacagn ggcttntctt agtggaggta aaaccacctc anctaattga 480
ttatctgcan cnaagaaaa cagaagggta taccctcctt tggaattgga acaaactgcc 540
aaangtttag acctaaccca atattgcntt cctganaaat tntntgctct tgnccgggaa 600
tgaacntnng ggaattgccg caatgngacc caccagnnng ggccct 646
```

&lt;210&gt; 1421

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 314, 317, 320, 333, 348, 353

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1421

```
ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
gagcaaacaa gagcaagaaa caaaaagaag caaaagcag aaggctccaa tatgaacaag 180
ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240
```



```

agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300
gacctcccc ctgnctntcn accttggggg aantgagaag acaaggantg ggncttggtc 360
cttg 364

```

```

<210> 1422
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

```

```

<400> 1422
aaaggtccaa aagcctgcc acccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgtg ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat acccctgaaa aagtgatgcc tcaaggctct gtcactctct ttgctatgag 240
aatgctttac atgattgagc aagtgcata ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaagggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcagtctct 540
ttggcactta catgaaagtg aaaaaatgaa gganggagaa tgtaagcctg aaggctcttt 600
ttagaaaggc ttctctcatt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct 668

```

```

<210> 1423
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604
<223> n = A,T,C or G

```

```

<400> 1423
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
ggccagaatc aagtttttct agtacacttc ccagaaagaa atacgctata acaccacca 180
gcctgagggc tgcattgctg tgggaagcagg aatggatacc cttacctatg atctctgcga 240
agaaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
acagnccaag aaatgtgtcc aggcctgcag gaacgagncn agtgacagtt tcgttccact 360
cttacgagac tgcaccaact cggatcatca gaaatgggtc ttcaaagagc gcatgttatg 420
aagcctcgtg tatcaangag cccatcgaag gagactgtgg agccaggatc tgcccaacaa 480
agacttnta acaagngacc agaaaccac canaaactan gggtgtattn cttttgaaga 540
agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag gggaataaac 600
tttnggactt tttttggaaa acttttttac ct 632

```

```

<210> 1424
<211> 318
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 175, 237, 248, 249, 250, 275, 278, 311

<223> n = A,T,C or G

<400> 1424

```

aaaatgtacc caactgggac caaatacaaa catgagacac tagggtggct tgtccttgat 60
taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120
caacattgca aaagtgggtg cttctacatg aggacttttt tccccccaa gtagnacaat 180
aattaaatct tgtgtttctt tatattgtgc ttttttggg agaaagcaat tcatttnccg 240
atctaaannn tgccggatag aaaggtagtt caganacnta ataatgggtcc ctccaagaac 300
aagggagcaa ncccccta                                     318

```

<210> 1425

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254

<223> n = A,T,C or G

<400> 1425

```

cctattctct tgttgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtccagcc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgccaccacc agcaggggct cctgcagnat gagcaccttg 180
ttgaacgtgn agtggaccac aatgnnctga atgggctgnt ctaccanatn tttctttag 240
ggcnacantc acnnggcggc caaatgtgg                                     269

```

<210> 1426

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 397, 408, 474

<223> n = A,T,C or G

<400> 1426

```

ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaagggt ggcattggaag aactgcaat aaaaggtagc aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tgggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatgggtata 420
gaatttcttg tttcagtgtt ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a                                                         481

```

<210> 1427

<211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 362, 394, 408, 441, 446, 450, 510, 522, 530, 537, 545, 546,  
 567, 580, 582  
 <223> n = A,T,C or G

<400> 1427  
 ctgctgcttg tgctgccatg tccgcaccgg caccatcctg ctcggcgtct ggtatctgat 60  
 catcaatgct gtgggtactgt tgatctttatt gagtgccctg gctgatccgg atcagtataa 120  
 cttttcaagt tctgaactgg gaggtgactt tgagttcatg gatgatgcca acatgtgcat 180  
 tgccattgcg atttctcttc tcatgatcct gatatgtgct atggctactt acggagcgta 240  
 caagcaacgc gcagcctgga tcatcccatc cttctgttac cagatctttg actttgccct 300  
 gaacatgctt gttgcaatca ctgtgcttat ttatccaaac tccattcagg aatacatacc 360  
 gnaactggct tcctaatttt cctacaaaag aatnatgtca ttgtaagnga atcctacctt 420  
 gggtggggcc cctaattaat ncttcntggn taattaacat taatctttga cttttaaagg 480  
 gggttaacttg gaataagcct tgggggtttt ggaaactgct tncccgaaan ccattcnaat 540  
 ggggnnggga aacttccttt ggatgggnccc tgggggtttan tnttaaccc 589

<210> 1428  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 1428  
 tgggcattgt gggctacgtg gaaacccctc gaggcctccg gaccttcaag actgtctttg 60  
 ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120  
 agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag 176

<210> 1429  
 <211> 628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,  
 617, 623  
 <223> n = A,T,C or G

<400> 1429  
 aaagtacatt atgagaacaa cagccctttc ctgaccatca ccagcatgac ccgagtcatt 60  
 gaagtctctc actggggtaa tattgctgtg gaagaaaatg tggacttaaa gcacacagga 120  
 gctgtgctta aggggccttt ctacagctat gattaccaga gacagccaga tagtggaata 180  
 tcctccatcc gttcttttaa gaccatcctt cctgctgctg ccaggatgt ttattaccgg 240  
 gatgagattg gcaatgtttc taccagccac ctcccttatt tggatgactc tgtagagatg 300  
 gaaatccggc ctgcttccc tctctttggc ggggtggaaga ccattacat cgntggctac 360  
 aacctcccaa gctatgagta cctctataat ttgggtgacc acgtatgcac tgaaagatga 420  
 ggnttggtga ccatgtgttt gatgaacaag ngatagantc tcntgactgt gaagatcatc 480  
 ctgcttgaag gagcccagaa cattgaaatt ganaatccct atnaaaacaa tcgtgcccc 540  
 gaaganctgg nctacaccta tctggacact tttggccgcc tgngaattgg ngctacaaga 600

aaanttttga gaacacncat tangacat

628

<210> 1430

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1430

ccagcgacct cccggttcaa ttcttcagtc cggctgggtga accaggcttc agcatccttc 60  
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120  
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcage 180  
gtactgattt cctcctcatg gttctttcttc aggtaggcca gctcttcctt cagg 234

<210> 1431

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1431

ccgggcaggt ccaagttaat gaggtcacgg ccagagcggg gggagaactc gactgcatag 60  
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtgggtgcc cgaggcagcc 120  
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180  
gctgctgcta gcttggagcg gaaggggttc caggctcggg actcaatttt gtcattctct 240  
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttggtg 300  
accagtgcac ctctctttcc tcgacaaatg aagacacct catgccgatg cggctccacc 360  
atcacattct tcccgcactg gtttctctt tttctctccc gaccacgacc ccggttgcca 420  
ccagaatgga cctcggcccg cgaccacgc 449

<210> 1432

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 198, 269, 283, 312, 345

<223> n = A,T,C or G

<400> 1432

cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60  
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120  
aagatcctga gtgacatgag aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180  
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240  
cgcgaccacg cttaaggggc aaattccanc acacttggcc ggnccgttct tagtgggatt 300  
cccaacctcg gnaccaaagc tttggcgtaa atcattgggc attanctttt ttccctgtg 359

<210> 1433

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 526, 529

CCAGCGACCT CCCGTTCAA TTCTTCAGTC CGGCTGGGTGA ACCAGGCTTC AGCATCCTTC 60  
CGGTTCTGCT CGGCCATGAC CTCATATTGG CTTCGCATGT CACTCAGGAT CTTGGCGAGA 120  
TCGGTGCCCG GAGCGGAATC CACCTCCACA CTGACCTGGC CTCCCCTTG GCCCTCAGE 180  
GTACTGATTT CCTCCTCATG GTTCTTTCTTC AGGTAGGCCA GCTCTTCCTT CAGG 234

<223> n = A,T,C or G

<400> 1433

```
ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
cttcatgggtg catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
ccaccatacc ggggtttgaga acaccagtct ccactcggcc aacaggaaca gtaccaatac 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtccaga gcctcaagca gcgtggttcc actggcattg ccatccttac 360
gggtgacttt ccatcccttg aaccaaggca tgtagcact tggctccagc atgttgtcac 420
cattccaacc agaaattggc acaaatgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggntgna gggggg 536
```

<210> 1434

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 640

<223> n = A,T,C or G

<400> 1434

```
aattgtcggg gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60
ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120
agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180
gccttgggtt aagggatgga aagtcacccg taaggatggc aatgccagtg gaaccacgct 240
gcttgaggct ctggactgca tcctaccacc aactcgtcca actgacaagc ccttgcgcct 300
gcctctccag gatgtctaca aaattgggtg tattggtact gttcctgttg gccgagtgga 360
gactggtggt ctcaaaccgg gtatggtggt cacctttgct ccagtcaacg ttacaacgga 420
agtaaaatct gtcgaaatgc accatgaagc tttagagtga gctcttcctg gggacaatgt 480
gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540
cagcaaaaat gaccaccaa tgggaagcaga cctgcccggg cggccgctcg aagggcgaat 600
tccagcacac tggcggcccc tactagtgga tccgagctcn 640
```

<210> 1435

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 523, 600, 622, 633, 644, 702, 708, 710, 714, 723

<223> n = A,T,C or G

<400> 1435

```
cagtgaattg aatacgactc actatagggc gaattgggcc ctctagatgc atgctcgagc 60
ggcccgccag tgtgatggat atctgcagaa ttgcgcccta gcgtggctgc ggccgaggtt 120
tttttttgga gagaaagcag ccagaaaaat ccgactttta tttcttaaact actgtgaagg 180
aagagggggg aaacgggtccc ctgatgagga agggccatag agcaaagagc taaggatcat 240
cagcaaaggc ccgctgggca ttggggaagc gctccagcaa gtactatgtg actatcattg 300
atgccccagg acacagagac tttatcaaaa acatgattac agggacatct caggctgact 360
gtgctgtcct gattgttgct gctggtgttg gtgaatttga agctggtatc tccaagaatg 420
```

```

ggcagacccg agagcatgcc cttctggcctt acacactggg tgtgaaacaa ctaattgtcg 480
gtgttaacaa aatggattcc actgagcccc ctacagccag aanagatatg aggaaattgt 540
taaggaagtc agcacttaca ttaaaaaaat tggctacaac cccgacacag tagcatttgn 600
gccaaatttct ggttggaatg gngacaacat gcntggaacc aaangctaac atgccttggt 660
tcaagggatg gaaagtcccc cgtaaggatg gcaatgccca gngaaccncn ctgnttgagg 720
gtntggactg g                                     731

```

```

<210> 1436
<211> 638
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525,
528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621,
622, 635
<223> n = A,T,C or G

```

```

<400> 1436
actatgtgac tatcattgat gccccangac acananactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tgggtgttggg gaatttgaag 120
ctggatatctc caagaatggg cagacccgag agcatgccct tctggcttac acactgggtg 180
tgaaacaact aattgtcggg gtttaacaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattggt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaatttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggncca agggatggaa agtcaccctt aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tntaccacc aactcgtnc actgacaanc 480
ccttgcgctt tccttttnc ggatgnccta caaaaattgg tgggnttngg ncttgntcct 540
gttggggcca atngaaactg gnggttctca aaccccggn ttgggggncn acttttgctt 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa 638

```

```

<210> 1437
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137,
162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218
<223> n = A,T,C or G

```

```

<400> 1437
ccaggggtgc taagcagntg gtggtgcagg aggcattgct gatgatcttg aggctgttgt 60
catacttctn atggnccaca cccatgacga acatgggggn attancanan ggggcaaana 120
ttatnacncc ttttncnttc cccctgcac aatgaatacc cnngtctctt nncatgccc 180
ggtgnagaga nccccccctg tgncttatac ntacnttntc ttcttccc 228

```

```

<210> 1438
<211> 286
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 1438

```

cgcggcggca agatggcagt gcaaatatcc aagaagagga agtttgctgc tgatggcatc 60
ttcaaagctg aactgaatga gtttcttact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggc cggcggtatt cgggaactga ctgctgtagt tcagaagagg 240
tttggctttc cagagggcag tgtagagctt tatgctgaaa aggtgg 286

```

&lt;210&gt; 1439

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1439

```

ntggcagtgc aaatatccaa gaagaggaag tttgtcgtcg atggcatcct caaagctgaa 60
ctgaatgagt ttcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tgttcttggt 180
gagaaggggc ggcggattcg ggaactgact gctgtagttc agaagagggt tggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg 274

```

&lt;210&gt; 1440

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1440

```

ccctgggtccc cctggccctc ctggacctcc aggtgtaagc ggtgggtggtt atgacttttg 60
ttacatgga gacttctaca gggctgacca gcctcgctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtgggttact actggattga ccctaacca ggatgacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggcccaacc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caagggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat 456

```

&lt;210&gt; 1441

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1441

```

ccacatcggc agggctggag ccctggccgc catactcgaa ctggaatcca tcggatcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttcct gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtagacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtaaat ccagtactct ccactcttcc 240

```

agtcagagtg gcacatcttg aggtcacggc aggtgcgggc gg

282

<210> 1442

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 372

<223> n = A,T,C or G

<400> 1442

```
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact ccttctacat 60
tatattcaaa ctggctgccg gcattgatag tttctcctag ccagacgtgt ttcttgtcct 120
tggagctcct ataccagttc ttggctggga tgttttcagg ttgggcccgg atacaggttt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcacctt tggttagggt 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctggggt ctttctagag ccttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac                                     379
```

<210> 1443

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 15, 21

<223> n = A,T,C or G

<400> 1443

```
ggcgccnngg caggncatt nacagtatgg tatttctgaa tgacaatctt atccacggag 60
tcatggtcgt caaagggttac aaaggcaaag ccccttttct tgccactgcc tcggtcagtc 120
atgatttcaa tcaattcaat ttttccatac tgttcaaaat aatctcttag gtgatgttct 180
tcagtgtcct ctttaatgcc accaacaat atcttttca cagttaagtg ggcacctggg 240
ctttgagaat cttctctgga gacagctctc tttggttoca caactcttcc atccaccttg 300
tgtggccttg cattcatagc tgcattccacc tctccacag tggcatatgt gacaaaccca 360
aagcccctgg agcgcttggt gtttgatct ctcattacca cacagtcctg gagcgttccc 420
cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa cctccaatg 480
aagagcttcc tcag                                     494
```

<210> 1444

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1444

```
tggcagtgc aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60
tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgcgag 120
ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180
agaagggccg gcggattcgg gaactgactg ctgtagttca gaagagggtt ggctttccag 240
agggcagtg agctttatgc tgaaaagggt g                                     271
```



<210> 1445  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531  
 <223> n = A,T,C or G

<400> 1445  
 ctggtggtta acaagtggat cgatcatgttc agtagtttat acattatgtg agaagtaacg 60  
 ttctgattct ttttcttaca cagaattggc agaggggggtc gatttgggag gaaagggtgtg 120  
 gctataaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac 180  
 aatactacag tggaggagat gcccatgaat gtggctgacc ttattttaatt cctgggatga 240  
 gagttttgga tgcagtgttc gctgttgctg aataggcgat cacaacgtgc attgtgcttc 300  
 tttctttggg aatatttgaa tcttgtctca atgctcataa cggatcagaa atacagattt 360  
 tgatagcaaa gcgacgttag tcgtgagctc ttgtgaggaa agtcattggc tttatcctct 420  
 ttanagttag actgttgggg tgggtataaa agatnggggt tgtaaaactt tctttcttan 480  
 aaatttattt cctanntctg tacanntggt tgnttagatg tcnctatcat ntc 533

<210> 1446  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 404  
 <223> n = A,T,C or G

<400> 1446  
 cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 60  
 gggttccttg aacttctacc agtgccactc tgacaggcct caccagagggt gccacctaca 120  
 acatcatagt ggaggcactg aaagaccagc agaggcataa gggtcgggaa gaggttgta 180  
 ccgtgggcaa ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc 240  
 cctacacagt ttccattat gccgttggag atgagtggga acgaatgtct gaatcaggct 300  
 ttaaactgtt gtgccagtgc ttaggctttg gaagtgggtca tttcagatgt gattcatcta 360  
 gatggtgcc a tgacaatggt gtgaactaca agattggaga gaantgggac cgtcaggggag 420  
 aaaatgg 427

<210> 1447  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 1447  
 cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga 60  
 ccccaacca ggttgcaacc tggatgccat caaagtcttc tgcaacatgg agactggtga 120  
 gacctgcgtg taccctactc agcccagtgt ggcccagaag aactggtaca tcagcaagaa 180  
 ccccaaggac aagaggcatg tctggttcgg cgagagcatg accgatggat tccagttcga 240  
 gtatggcggc cagggtctcg accctgccga tgtgg 275

<210> 1448

<211> 627  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614  
 <223> n = A,T,C or G

<400> 1448  
 gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60  
 agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaaggggccc tccagaacaa 120  
 tgatgggctt tatgatcctg actgcgatga gagcgggctc ttttaaggcca agcagtgcaa 180  
 cggcacctcc atgtgctggt gtgtgaacac tgctgggggtc agaagaacag acaaggacac 240  
 tgaaataacc tgctctgagc gagtgagaac ctactggatc atcattgaac taaaacataa 300  
 agcaagagaa aaaccttatg atagtaaaag tttgcggtact gcacttcana agggagatca 360  
 caccgcgtta tcaactggat ccaaaattta tcacgagtat tttgnatgan aataatgtta 420  
 tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480  
 tgtggcttat atttttgaaa aanatgttaa angngaattc ttgtttcatt ctaaaaaaaa 540  
 tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600  
 aatttattat tgcnggggatg aaaaaaa 627

<210> 1449  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,  
 342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,  
 470  
 <223> n = A,T,C or G

<400> 1449  
 caaaaggtga ctagacatac ttggaagttc aaagcagtag gatgtagctt gcagggaaaa 60  
 gaaaaccctt tccatgttg ttaggcagaa gtatatcaaa tatatcccaa tccacttga 120  
 taaagtcagn ttggatgacc tccttnaacc aatctanggc anaacactta gtaaaagcgg 180  
 gccctgggtg gggatgtgaa tccaggagaa gaggggcaacc annatcccat gcagcgccaa 240  
 acacatccat tccacctct aacacatacg angcatgtca ccccatgtgc ctggacacaa 300  
 gatntacnat aacaggnagc taatgggcac tgctcccacn gnctgggnt ttctaattggg 360  
 ctttaaaatt caaggccntg gaaaaaaatc cttttacccc ccaancacna aacttggcct 420  
 ttngaccttt ccnncatnac aggatnttnt ggggggaaaa ttctttingn tccccatac 479

<210> 1450  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 1450  
 ccacatcggc agggctcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60  
 tctcgccgaa ccagacatgc ctcttgtcct tggggttcct gctgatgtac cagttcttct 120  
 gggccacact gggctgagt ggggtacgc aggtctcacc agtctccatg ttgcagaaga 180  
 ctttgatggc atccaggttg cagccttggg tgggggtcaat ccagtactct ccactcttcc 240

agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c 291

<210> 1451

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 19, 31, 360

<223> n = A,T,C or G

<400> 1451

```
cagaattccc ctctgagcng ccgcccgggca ngctccagcaa gtcaagtggc aatcaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gtcccttttg gtccatatct 120
ccatgcatgg cggatacagt gaaatctcga gcatgcatct tctcggtgag ccagtccacc 180
ttcctccggg tgttgatgaa gatgactgcc tgggtgatgg tcagggtttc atacaagtca 240
catagtgtgt ccagcttcca ctctctctgt tccacgttga tgtagaactg gcggataccc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc                                     370
```

<210> 1452

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 465, 502, 539, 547, 548, 552, 569, 574, 589

<223> n = A,T,C or G

<400> 1452

```
ccagctctcc acgtctctcg gcatctgcaa tggcggcctc cagggaagcc ctctggcctt 60
tgaggccctc aatctcagcc tggagccggc tgatgttccg gtccatctca gagatctcag 120
tctttgtgcg ccgcagggtca tccccgtgct tcccagccag gctctgcagc tcttcatact 180
tgatctggta catgctctca gcctcagccc ggctgcgggt ggcaatatcc tcgtactgtg 240
ccttgacctc agcaatgatg ctgtccatgt ccaggggagcg gctgttgtcc atggacagca 300
ccacagatgt gtccgagatc tgggactgca gctcccggat ctctcttcca tatagctgcc 360
tgaggaagtt gatctcgctc gtcagccctt ccaggcgaga ctccagctct accttgatcat 420
gtaagcttca tccacatcct tcttgatgag gacaaattcg ttctnctatct ctgtacctta 480
ttgatctcat cctcatactt gntcttaagt cctccaccac ccctgatgtt gcaactccnc 540
tactttnct tntctggcca aattcagtn actnggcgga cacctaggna atcac 595
```

<210> 1453

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619, 622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685

<223> n = A,T,C or G

&lt;400&gt; 1453

```

ctgttgaaat gaagcacttt acagtctttg tggcagcaga atatacttgt ccatgggttca 60
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcaccca aatcttcaca 120
tggagggggga gggggtgggg aaaagaagga aaaaaaggga aaaacaacca aaataattta 180
agtaaattgac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240
ttaaactcaa tttatagcta tgtaaacta cgtaagaacc actatactga aagaccattt 300
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360
acctaaagaa gtttaactga agcttagaac tattttgctc tacaccctca gctttcgttg 420
gnatccttat aaactactgt attaaagggt ttgtagaacc agcacagttn tttaagactg 480
gcttgaactt attangccgt caanagttct cttgnactan nacctgtgtc ccttgagagt 540
cctcgctggg gttatttcct ttccttnttt tgaaaaancc agctttttaa aaatttaaaa 600
gggggtttctt ctngcagana tncctntaag tanccacntn ccttatcctg agaanggcna 660
cacncactta ntttaccgct ttntnttttc caaattac 698

```

&lt;210&gt; 1454

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 342

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1454

```

ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtctctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 180
caaatgggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtcg agaagaaaca 300
cgtttggttt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tcctgaagat gtccttgatg tgcag 385

```

&lt;210&gt; 1455

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 9, 10, 494, 534

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1455

```

ctgaggaann tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gtcacggac tgtgtggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaagggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
cctgcccggg cggncagggt cgaaattcaa cacactttgg cggcgttacc taanggatcc 540
caacttcggt 550

```

<210> 1456  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<400> 1456  
 ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60  
 cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120  
 cgctccaggg gctttgggtt tgccacatat gccactgtgg aggaggtgga tgcagctatg 180  
 aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240  
 gaagattctc aaagaccagg tgccactta actgtgaaaa agatatttgt tgggtggcatt 300  
 aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360  
 gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420  
 tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1457  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 404, 407, 416, 451, 472, 481, 489, 492, 494, 502, 509, 535,  
 538, 540, 551, 560, 564  
 <223> n = A,T,C or G

<400> 1457  
 ccttggtcct agcaccact cgagaattgg ctccagcagat acagaagggtg gtcattggcac 60  
 taggagacta catgggcgcc tcctgtcacg cctgtatcgg gggcaccaac gtgcgtgctg 120  
 aggtgcagaa actgcagatg gaagctcccc acatcatcgt ggggtaccct gcccggtgtg 180  
 ttgatattgt taaccggaga tacctgtccc ccaaatacat caagatgttt gtactggatg 240  
 aagctgacga aatgttaagc cgtggattca aggaccagat ctatgacata ttccaaaagc 300  
 tcaacagcaa caccaggtg gttttgcttg tcagccacaa tgccttcttg atgtgcttga 360  
 ggtgaccaag aagttcatga gggaccccat tcgggattct tgtnaanaag gaaganttga 420  
 cccttgagg gtatccgccc agttctacat naacctggaa ccaagaagag tnggaagctg 480  
 nacacactna tngngacttg gnatgaaanc cctggacat tgaccccgag aaggnaantn 540  
 ttgcattcaa naaccccggn aagnaagg 569

<210> 1458  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

<400> 1458  
 atagtctgcg cagcgtatgc acacgaactg caaaatatg gtgtgaagggt tggcctgaca 60  
 aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caatagggtt 120  
 ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180  
 agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg 227

<210> 1459  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537  
 <223> n = A,T,C or G

<400> 1459  
 atgacgggcc cgggtgctgaa gggcagggaa caacttgatg gtgctacttt gaactgcttt 60  
 tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120  
 gcaaaagggg agctggctac ttctcgctct gcttcatccc actattattt tggcacaaca 180  
 gggagctggt gaaggaggat gttcccatct tggtcagtc tatgcggata gagatgtctg 240  
 gaagccagaa ccatgccaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300  
 aatatgtgac gatcaagaat tagactgccc caaccagaa attccatttg gaaaatgttg 360  
 tgcagtttgc ccacagcctt caactgcttc tactcgccct tctaattggc aaaggacctc 420  
 gangcccaa ngggaaaatc caggnccttc tggtatccct ggganaaaag ggggaccctg 480  
 gtatttccag gacaancang ggnccctgg gttttnctgg gccccctggn aatttgngaa 540  
 taatgcccta ctgggccctc aaaactattt ttcccca 577

<210> 1460  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463  
 <223> n = A,T,C or G

<400> 1460  
 aaaggatattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60  
 gattcttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120  
 taagtgtttg aaagacgtaa accaaagtgc actttatctc atttatctta tgggtgaaac 180  
 acaggaacaa attctctaag agactgtgtt tctttagttg agaagaaact tcattgagta 240  
 gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgtttag 300  
 agtggaata agagagggct ttttattttt tcgtncatac cgagtnttga ttgaagatga 360  
 ttcttaaaat gctaaatgna aatatatttg cttcccaaan ggnntttatt tctgnctttg 420  
 ggn gatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccttttc 470

<210> 1461  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 1461  
 aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60  
 agttcattat aagctacaac actttgcaaa taagtatcca gttaattgt acaaaccac 120  
 aatttgtgag caaatttaag aatataaaaa acattaatta gttaaatata attctctggg 180  
 aatatacatt atacctacag acctgcccgg g 211

<210> 1462  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 433, 450, 451, 452  
 <223> n = A,T,C or G

<400> 1462  
 ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60  
 ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120  
 agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180  
 gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgctgg 240  
 ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300  
 ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360  
 caccaactgg taggtggagc ccagccaatg gaatgaggac ctgcgccgcg accacgctaa 420  
 gggcggaattc cancacactt gtggcgccgn nnctagtggga tccga 465

<210> 1463  
 <211> 635  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,  
 628  
 <223> n = A,T,C or G

<400> 1463  
 ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60  
 ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120  
 agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180  
 gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggcgctgg 240  
 ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300  
 ggtgctggag ctgcttggtg gttgataaac tgatgactcc atttctgtca catggatgtc 360  
 caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420  
 acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agtgaccaac 480  
 accggagtcc atcntcaatt tggtagaccg gcanaaacccg gaatgnggca ttgtantttg 540  
 actgnctttg tanantgggg gngaacacct tcggccgcga accaccctta nggggaaatt 600  
 tccanccct tggggggcgg tttnctannng gatcc 635

<210> 1464  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 1464  
 ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60  
 cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120  
 tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180  
 gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttctt cagg 234

<210> 1465  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 18, 19, 27, 111, 207, 305, 318, 323, 327, 369, 416, 443,  
 449, 460, 464, 468, 478, 507, 509, 512  
 <223> n = A,T,C or G

<400> 1465  
 tgattttattc ngcctccnnt ttggggngaa ttggggccct ctagatgcat tgctcgagcg 60  
 gccgccagtg tgatggatat ctgcagaatt cgcccttagc gtggtcgcgg ncgaggtaaa 120  
 cttacgccgc ttatgtattt acacataaag ttactgtata tataaaaaat attttcaagg 180  
 actcatgggc ttgggaatat tcaaaanaca ttattgctac atttcaatat ttacaaaaaa 240  
 agccacaaaa taatttcaaa cattaagcca ctgcaaagaa acatctgatg taagaaaaaa 300  
 ttatnaaaat ataaactntc aanaatntcc aagacaaaac tctcaatgaa gtgcccctga 360  
 agtacctana catctataac taacaccact tttcttacta tcattgaagt caatanaaac 420  
 acaaaggaat ttttcagaca aantatggna aacaacaatn tctngggnga caacacancc 480  
 ccaaaatctg taactttggg aacggtncna anaggtta 518

<210> 1466  
 <211> 733  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729,  
 733  
 <223> n = A,T,C or G

<400> 1466  
 ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60  
 atgccaatgt caagaagggt ggcatggaag aactgcaat aaaaggtagc aagccagcct 120  
 catacatgcc ctgaggccag caggcgccca gtcaggcag cacacgcctt cacttaaaaa 180  
 ggccgaggag cggcgggatc cacctgaatc caattacatc tggatgaactc cgacatctga 240  
 aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300  
 aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360  
 ctgagctgat atttactctt ccttttaagt tttctaagta cgtctgtagc atgatggat 420  
 agattttctt gtttcagtg cttgggacag attttatatt atgtcaattg gatcagggt 480  
 aaattttcag tgtgtagtgt gcagatattt tcaaaattac aatgcattta tgggtgtctgg 540  
 gggcangggg aacatcagaa aggttaaatt ggggcaaaaa tggcgtaagt cacaaaaaat 600  
 tggaatgggt caagttaatt gttgaaagta cancaatttc anatttattg gcananattt 660  
 agangttggg tacattttta cttggccgga acacctaaang gcgnaatnca cacactggng 720  
 gcngtatang ggn 733

<210> 1467  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 171, 237, 243, 248, 259  
 <223> n = A,T,C or G



&lt;400&gt; 1467

```
ccagtgtcccc ccaggaggct ccacctcaa ctcaacccaa gcaacaggga cagatgaaaa 60
acaaaatcca atcagggcgga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120
ttcgtgctgtt cttgctttttg tctactgcccc cctgtttacat gggggggggg nttaatattg 180
tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaaa aaagggnaaa 240
ttncnccnaa aaaaaaaang ggggaaaaaa a 271
```

&lt;210&gt; 1468

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 97, 174, 352, 355, 356, 362, 383

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1468

```
ctgcccgaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggagg cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaanaaa gagtaagacg gccgcaaaga 120
aaaatgacaa agaggcagca ggagagggcc cagccctgta tgaggacccc ccanatcaga 180
aaacctcacc cagtggcaaa cctgccacac tcaagatctg ctcttggaat gtggatgggc 240
ttcgagcctg gattaagaag aaaggattag attgggtaaa ggaagaagcc ccaaataatac 300
tgtgccttca agagaccaaa tgttcagaga acaaaactac cagaccttcg gncgnnacca 360
cncttaaggg gcgaattcca acncaattgg c 391
```

&lt;210&gt; 1469

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1, 130, 352, 379, 402, 443, 477, 501, 510, 530

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1469

```
nccattgatt taggccactg gcttagagta ctcttcccc tgcatgacac tgattacaaa 60
tactttccta ttcatacttt ccaattatga gatggactgt ggggtactggg agtgatcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180
aaggcaataa gagtcataca gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt aactgcacc attcccaagt taatcccctg aaaacttact 300
ctcaactgga gcaaatgaac tttgggtcca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttcctttcca attgaattaa antgtggcct cgtttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat cccaacctc nggataccn aggccttggg ccgctaaatn caattggg 538
```

&lt;210&gt; 1470

&lt;211&gt; 317

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1470

```
aaaaacaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
```

```

ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaatgtac 120
aaagatgttt tccacttttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300
gatagatcca gtgggttt                                     317

```

```

<210> 1471
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

```

```

<400> 1471
cccgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcggttga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccaatg agactctagg gtccagtgga tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgcccc 360
catgaggaag gaacagcaat ggtgtcagta tccaggctnt gtacagagtg cttttctgtt 420
tagtttttac tttttttgtt ttgttttttt                                     450

```

```

<210> 1472
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 1472
ggcaggtaaa ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga 60
cctagacaga gatgaactga ggtccttggt ttgttttggt cataatacaa aggtgctaata 120
taatagtatt tcagatactt gaagaatggt gatggtgcta gaagaatttg agaagaaata 180
ctcctgtatt gagttgtatc gtgtggtgta tttttt                                     216

```

```

<210> 1473
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<400> 1473
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtggcatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaa                                     219

```

```

<210> 1474
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> 240, 244, 251  
 <223> n = A,T,C or G

<400> 1474  
 aaaaacctgg ggaacttttag gttattttata caaagggaat aaataggctg attttaattt 60  
 ggtaagttga tctttttatt atgaatttgg taatagtata ggtttattat ttattcatct 120  
 aattttatag tacaggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180  
 ggggaacatc ttgggaattt gagatttaat aagttttttt tttttttttt tttttagggn 240  
 tttnccgga ncccc 255

<210> 1475  
 <211> 655  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,  
 577, 595, 596, 604, 609, 618, 626, 634, 637  
 <223> n = A,T,C or G

<400> 1475  
 aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60  
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120  
 cttcccaact atcattccca tgggtcccaa taaatttttag aatctagtcc catccccctt 180  
 ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag ttttaaggaca 240  
 cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300  
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360  
 aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttagaaca aggcacataa 420  
 cacttggaat atctattgca cttttangaa aatttttgcc cgtcttinct ttgccactgg 480  
 taaaaaagat ggancgggtt ttggatcanc cnccattttt ggaacctttt gggcccgga 540  
 accncccttt aangggcgna aattccancc ccccntnggg gggccgggtt ctttnngggg 600  
 aatncccana cttcggnncc cccaancttt gggnggnaaa tcaatggggc catta 655

<210> 1476  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498,  
 507  
 <223> n = A,T,C or G

<400> 1476  
 ccaatcaata agggactttc ctctctgcca ttaagagcaa cgatgctgac cacatactct 60  
 gtgcctggag tgaggtttgt gaggggtgat gaattccgag agtggggcac ccgatcttct 120  
 cgagggtctcc cactgaagtg ctcgggatga tggcggatcc tgtagccagt gatggtggct 180  
 cgaggagcaa tccagtgcac agtaaaaagag ttggcagtaa tatcagaaaa gtcaatgcca 240  
 gttgggggaat caagacctgt ttttcccacc cgggggagga agagaaaaaa aaaagaaaag 300  
 accccccag tttaggaagt gaggaagggt taggggaaat taacgtacat ccaacatttc 360  
 gttccttgtc tcatcaatcc atgatttgcc ntaaaccaaa nagtaanaag tnctgattct 420

```

aanctacata tgaattttac cttcggccgc gaccccnctt angggcggaat tccaccnccc 480
tngcggccgg tncttanngg atcccanctc gg 512

```

<210> 1477

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 271, 279, 280, 299, 309, 313, 321

<223> n = A,T,C or G

<400> 1477

```

cctgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccgaatg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc naccattca ga 332

```

<210> 1478

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 310, 354, 369, 426, 433, 439, 449, 476, 481

<223> n = A,T,C or G

<400> 1478

```

ctgggtacca ttccgggtca tccgcagaaa ttctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
agagtttggtt gaaccgcac cccaatattc ctttttggtc ctctgggtaa ttgggtgggt 240
gcctggccttg gcttttgtcc tgggaaatat gggtgaagggt tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggccttg aaccttcttt ggttgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccaccact tgggaagggtg gaacccaacc 420
aatggnatga agnatattang ggccttatnt aaaaaagaat tgcttcccc agggtnnggg 480
ncaaaatgga aggaaaacaa tggccttgac agtgaccaca ccggaatcca tt 532

```

<210> 1479

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 17, 448, 459, 478, 480, 526, 535, 549, 560, 568, 569, 581, 588, 592, 593, 606, 609, 645, 652

<223> n = A,T,C or G

<400> 1479

```

ccaactatgc ctctcanaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatagat gttgaacttg 120
ttgctgaggg caacagcagg ttcaacttaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgctgacct 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gccagctctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt 420
cttctgcaca tctacttgct taaattgngg gcaaaagana aaaagaagga ttgatcanan 480
cattgggcat acagttcatt aacttcttcc cccttcccca aaattnaatt ttttnaacc 540
cttaccctnt atggaaaagn aaccttttng aaaccccaat naaattgnaa annaaaccct 600
aacttncnc ttgggtttta attttccaaa ggaaattcct cccgngggct tnaaagggaa 660
acccctggg g 671

```

```

<210> 1480
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<400> 1480
ctggacctcc aggtgtaagc ggtgggtggt atgactttgg ttacgatgga gacttctaca 60
gggccgacca gcctcgctca gcaccttctc tcagacccaa ggactatgaa gttgatgcta 120
ctctgaagtc tctcaacaac cagattgaga cccttcttac tcctgaaggc tctagaaaga 180
accagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc agtggttact 240
actggattga ccctaacca ggtgacta tggtgctat caaagtatac tgtgatttct 300
ctactggcga aacctgtatc cgggcccaac ctgaaaacat cccagccaag aactgggtata 360
ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct ggcagccagt 420
ttgaatataa tgtagaagga gtgacttcca aggaaatggc taccacaactt gccttcatgc 480
gcc 483

```

```

<210> 1481
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 57, 401, 403, 408, 411, 425, 429, 434, 441
<223> n = A,T,C or G

```

```

<400> 1481
aaagacaaaa aaattctttt atgtacaata tcttgtctag agtctagcaa atatagnacc 60
tttcattgca ggatttctgc ttaatataac aagcaaaaac aaacaactga aaaaatataa 120
accaaagcaa accaaacccc ccgtcaact acaaatgtca atattgaatg aagcattaaa 180
agacaaacat aaagtaactt cagcttttat ctagcaatgc agaatagaata ctaaaattag 240
tggcaaaaaa acaacaaca aacaacaaac aaaacaaaac aaacaaacaa caaaatccca 300
ccaatcttca tgggttaaact ttctgtctca gggatgtaag ctgactctag accatctcgc 360
ggttcctgcg gatagcacag cacacgatca tactgaagat nangccanat ntcagacca 420
ccgcnatgnc gatnccccact nccccggatg atg 453

```

```

<210> 1482
<211> 542
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,  
 424, 439, 446, 461, 469, 473, 499  
 <223> n = A,T,C or G

<400> 1482  
 aaacatctca catatacaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60  
 gcttctgtgg aaccatggaa gaagatgaaa atgagactgg gcaaagaaac aaatgcttga 120  
 atctgnaaga aagaagggac aacttttggg caaataatct gctacccttt taattgggaa 180  
 ataagaatgg gaaaatatga atgcttaatc aaatttttta aaaaatcccc nccccgatcc 240  
 acttaatacn ggaatatttc ttctcaaatt cttctaacc ccatcaacatt cttcaagtat 300  
 ttnaaatact attaatagc acctttgtat ttnnaaccaa acaaaacaag ggccncagtt 360  
 catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420  
 gannttaaac ctttgggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480  
 tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540  
 tg 542

<210> 1483  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 311, 317, 320, 324, 328  
 <223> n = A,T,C or G

<400> 1483  
 ccggggcggg tgacctccgt gcctagtcgt ggctctccat cttgtctcct ccccggtgtcc 60  
 ccaatgtctt cagtgggggg cccctctttg ggtccctcc tctgccatca cctgaagacc 120  
 cccacgcaa acactgaatg tcacctgtgc ctgccgcctc ggtccacctt gcggcccgtg 180  
 tttgactcaa ctgagctcct ttaacgctaa tatttccggc aaaatcccat gcttgggttt 240  
 tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaaa 300  
 aaacttgggc ngaaacnacn ttangggnaa 330

<210> 1484  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 486, 571, 607, 614  
 <223> n = A,T,C or G

<400> 1484  
 gagagcgagc tgagtgggtt tgtgggtcgc tctcggaaac cggtagcgct tgcagcatgg 60  
 ctgaccaact gactgaagag cagattgcag aattcaaaga agctttttca ctatttgaca 120  
 aagatggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180  
 agaatccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240  
 gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300  
 gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360  
 gtgctgcaga acttcgccat gtgatgacaa accttggaga gaagttaaca gatgaagaag 420

```

ttgatgaaat gatcagggaa gcagatattg atgggtgatgg gtcaagtaaa ctatgaagag 480
tttgtncaaa tgatgacagc aaagtgaaga ccttgtccag aatgtgttaa atttcttgta 540
caaaatgggtt atttgccttt tctttgtttg nacttatctg taaaagggtc ttcctctgca 600
aaaaatngca tgtntagtaa ttag                                     624

```

```

<210> 1485
<211> 215
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 188, 199, 205, 209
<223> n = A,T,C or G

```

```

<400> 1485
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag aggggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaaa 180
aaaaaaaaant ttcggggant aaaantaant tttaa                               215

```

```

<210> 1486
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<400> 1486
gaagattccc gagagtaaat catctttcca atccagagga acaagcatgt ctctctgcca 60
agatccatct aaactggagt gatgttagca gaccagcgtt agagttcttc tttctttctt 120
aagccctttg ctctggagga agttctccag cttcagctca actcacagct tctccaagca 180
tcaccctggg agtttctctga gggttttctc ataaatgagg gctgcacatt gcctgttctg 240
cttcgaagta ttcaataccg ctccagtattt t                               271

```

```

<210> 1487
<211> 204
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 54, 79, 91, 117, 125, 138, 164, 174, 187, 194
<223> n = A,T,C or G

```

```

<400> 1487
gtgctatgta tgggtgtgtgt gttgtgtatg tgggtgtgtgg tgtgtgtggt gcanggggca 60
tgtgtgtggt gtatgctcnt gtgtgtgctg ngctcgtgtg tgtgtgtgtg tcatgcntgt 120
gctgngtgtt gtgtgtgngt actgcgggga tcataaaata tgantgcttt ttangatggg 180
aattganatg taanattttg gggt                                     204

```

```

<210> 1488
<211> 375
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> 351  
 <223> n = A,T,C or G

<400> 1488  
 ccaactcagc ttttgtggag cgagtgcgga aacggggcctt cgaggtggta tatatgaccg 60  
 agcccatgga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctggtct 120  
 cagttaccaa ggaggggtctg gagctgcctg aggatgagga ggagaagaag aagatggaag 180  
 agagcaaggc aaagtttgag aacctctgca agctcatgaa agaaatctta gataagaagg 240  
 ttgagaaggt gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca 300  
 cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact 360  
 ccaccatggg ctata 375

<210> 1489  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 70, 148, 158, 159, 165, 201, 203  
 <223> n = A,T,C or G

<400> 1489  
 tgcccggtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa aactggtct 60  
 cgggcccgan aagacctcct ttttcaggc tttaggtatc accactaaaa tctccagggg 120  
 caccattgaa atcctgagtg atgtgcanac cttggcgna ccacnctaag ggcgaatttc 180  
 aacacactgg ggggcgtact ngnggatacc aaat 214

<210> 1490  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 43  
 <223> n = A,T,C or G

<400> 1490  
 aaaatcctga ttttggagac ttaaaaccag gttaatggct aanaatgggt aacatgactc 60  
 ttgttgatt gttatTTTTT gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120  
 cttaccaaag tcttgtagg tgggtttatag ttcttttggc taacaaatca ttttggaat 180  
 aaagattttt tactacaaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240  
 gtattagaca ccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300  
 atttttttca atgccaacc ag 322

<210> 1491  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>



<221> misc\_feature  
 <222> 452, 604, 605, 626, 642, 661, 681  
 <223> n = A,T,C or G

<400> 1491  
 cgagcacgag ctgtgagggg attcacttgt gtgcggaact cctcggaacc atggcgtccc 60  
 tttcccttgc acctgttaac atctttaagg caggagctga tgaagagaga gcagagacag 120  
 ctgcgtctgac ttcttttatt ggtgccatcg ccattggaga cttggtaaag agcaccttgg 180  
 gacccaaagg catggacaaa attcttctaa gcagtggacg agatgcctct cttatggtaa 240  
 ccaatgatgg tgccactatt ctaaaaaaca ttggtgttga caatccagca gctaaagttt 300  
 tagttgatat gtcaagggtt caagatgatg aagttggtga tggcactacc tctgttaccg 360  
 ttttagcagc agaattatta agggaagcag aatctttaat tgcaaaaaag attcatccac 420  
 agaccatcat agcgggttgg agagaagcca cnaaggctgc aagagaggcg ctgttgagtt 480  
 ctgcagttga tcatggttcc cgatgaaagt taaattccgt caagattaat gaatattgcg 540  
 ggcacaacat tatcctcaaa acttcttact catcacaag accactttac aaagttagct 600  
 gttinnaacag tctcagactg aaaggntctg caacctggag cnattcattt atcaaaaact 660  
 nggaggaagt ttgcaatcct ntt 683

<210> 1492  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 332, 344, 346, 386, 418, 427, 431, 444, 476, 494, 498, 508  
 <223> n = A,T,C or G

<400> 1492  
 ccggacatcc caacgcatgc tcctggagct cacagccttc tgtggtgtca tttctgaaac 60  
 aagggcgtgg atccctcaac caagaagaat gtttatgtct tcaagtgacc tgtactgctt 120  
 ggggactatt ggagaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa 180  
 tgttctaggg cactctggga acctataaag gcaggatatt cgggccctcc tcttcaggaa 240  
 tcttctgaa gacatggccc agtcgaagcc caggatggct tttgctgcgg ccccggtggg 300  
 taggagggac agaagagaca ggaagagtc ancctcccat tcanangcat cacaagtaat 360  
 ggcacaattt ctctcgatac ttgcanaaaa tatggtttgt agttcaacac tcaagacnaa 420  
 cttattntta ngataactct taangcaact tattcatcct cactttgcct cttacncatg 480  
 taaaagatta tttnaacnga ggagatgntg tggacctccg ctggacctaa ataccttgta 540  
 ctact 545

<210> 1493  
 <211> 569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 365, 435, 451, 458, 484, 488, 493, 496, 515, 526, 540, 544,  
 563, 567  
 <223> n = A,T,C or G

<400> 1493  
 ctggtccagg atagcctgcg agtcctccta ctgctactcc agacttgaca tcatatgaat 60  
 catactgggg agaatagttc tgaggaccag tagggcatga ttcacagatt ccaggggggc 120

```

caggagaacc agggggaccct ggttgtcctg gaataccagg gtcaccattt ctcccaggaa 180
taccaggagg gcctggatct cccttggggc cttgagggtcc ttgaccatta ggagggcgag 240
taggagcagt tggaggctgt gggcaaacctg cacaacattc tccaaatgga atttctgggt 300
tggggcagtc taattcttga tcgtcacata ttatgtcatc gcagagaacg gatcctgagt 360
cacanacaca tatttggcat ggttctggct tccagacatc tctatccgca taggactgac 420
caagatggga acatnctcct tcaacagctt nctgttgngc caaaataata gtgggatgaa 480
gcanaacnag aantanccac ctcccttttc acaancttat catgtntaat ataaacttan 540
aatntttgtc aaaaaggaaa aanaaancc 569

```

<210> 1494

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1494

```

ctgattctat ttcctttctca aaaaaagtta ttacagagg gtatatatca acaatctgac 60
aggcagttaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaaccatac atacacacaa tctttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

```

<210> 1495

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 356, 411, 452, 459, 469, 481, 490

<223> n = A,T,C or G

<400> 1495

```

aatgggtatc tcttagtaac ttgcactcgt taaagaaaca cggagctggg ccacgctcag 60
aactaagtca gggaaggaga tggatgagaa ggccagaatc attcctagta catttgctaa 120
cactttattg agaaattgac catgaattaa tggactcatc ttaatttctt ctaagccat 180
atatagatag atatctatct gtacagattt ctattttatcc atagataggt atctatacat 240
acacatctca agtgcatcta tccccactct cattaatcca tcatgttcct aaatttttgt 300
aatcttactg taaaaaaaag tgcaactgaac ttcaaaacaa aacaaaaaac aacacnacaa 360
aaacaagtcc aactgatata tcctatatct gttaaaattc aaaagtgaac naagctttta 420
ctggcctcgg ccgcaccccc taaggcaatt cnaccctng ggcgtctant gatccactcg 480
naccactggn gatatgctac t 501

```

<210> 1496

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1496

```

ctgattttat ttcctttctca aaaaaagtta ttacagaag gtatatatca acaatctgac 60
aggcagttaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaaccatac atacacacaa tctttttgct tattataata 300

```

cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt 344

<210> 1497

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1497

ctgtatcatc tagacgctta tatcccgtg cagatcaact ctcatgagag caaggcagcc 60  
 ttccaccgga agagaaagca attaatggtg gccacatctc ccattagctc tagcatgaaa 120  
 cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgccc agtaactaaa 180  
 tgaattcaaa 190

<210> 1498

<211> 343

<212> DNA

<213> Homo sapiens

<400> 1498

ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60  
 aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120  
 gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180  
 ggcaaaaaaa agtttaaaaa caaaaaccct taacgggaact gccttaaaaaa ggcagacgtc 240  
 ctagtgcctg tcatgttata ttaaacatac atacacacaa tctttttgct tattataata 300  
 cagacttaaa tgtacaaaga tgttttccct tttttcaatt ttt 343

<210> 1499

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 494, 511, 528, 550, 560, 566, 582, 593, 594, 598, 610, 626,  
 641, 651, 675, 678, 690

<223> n = A,T,C or G

<400> 1499

ggaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60  
 aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120  
 tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180  
 ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240  
 acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300  
 cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360  
 gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420  
 aatgttcatt acacttaaga atctggctga attttattag cttcattata aatactgact 480  
 gatatttact cttnccctta agtttttaag ncctctgtac atgatggnat aaattttctt 540  
 gtttcagtgtn tttgggacan attttnttta tgtaattggt cnggtaaaat tttnngggngg 600  
 agtgggaaan ttttcaaatt ccatcntttt ggggttgggg ngggggacat naaaaggtaa 660  
 ttgggcaaaa tgctnagncc aaaatttgan ggc 693

<210> 1500

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1500

```
cccagaccag gaattcggct tcgacgttgg ccctgtctgc ttctgtataa ctccctccat 60
cccaacctgg ctccctccca cccaaccaac ttcccccca acccggaac agacaagcaa 120
cccaactga acccctcaa aagccaaaaa atgggagaca atttcacatg gactttggaa 180
aatatTTTTT tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgacaaaaa accaaaagtg cattcaacct tacaacaaaa aaaaaaaaaa 290
```

<210> 1501

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 23, 33, 35, 41, 114

<223> n = A,T,C or G

<400> 1501

```
aaacttgatc caacctcttt gcntcttaca aantnaaaca nctaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcgagg cacgcctcat tacnattcgc 120
ctgcttgctt ctctgtttca atcgtttctt tggaaggcag tggatttttc tcttgctgct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg gggttgctcag 240
acatggttgc ggaggaaaag cgaagcgagg cgacacgagta cgagcgaaat ctggtctgctg 300
c 301
```

<210> 1502

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 666

<223> n = A,T,C or G

<400> 1502

```
aaaagtcaca aatcacagtg ggagaatgcc aaattgcttt agcttggaac tactgaagac 60
gcacatagca ttattataaa ggcctactct taggcagttc actctcaaag caatgaaaat 120
aatctcaaac caaacattac agtgggtttg aagcgttcct acgtttcttc cgagcaggtc 180
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240
ctttaataaa cactaaacta atagatcata gaaaactaaa agcttagaga aggtgcctcc 300
agacatattt acataaataa cgtagcctca caagaaagac caagatctca ttagcgtgga 360
atgctttttc cacaaggctg ggtccatgcc tcatgtgtca rattaacccc atttgaggag 420
aaatttgagt ttgtggttca tgggtttttg aaaaaaaaaa aaaaaaaaaa rggaattaag 480
caacttgtaa aagctctttt gaaattaatc taataaccca gtggctcctc ggctaagtgc 540
ctcagtcctg tctgaaatac agcgggtaag agcctttgtt tccatttgac ctcttttcaa 600
cactttcatc tgccctgacc ctcatcagga acaagagggc tccccaatcc ccagggcccg 660
gctcanaagg aaggggtggg agagaagggg cgagagggag caggggtgag ggacacagagc 720
tgaggctgcc aacctgcccc ggg 743
```

<210> 1503

<211> 409

<212> DNA  
<213> Homo sapiens

<400> 1503  
ctgtaaaaga tcctatgcga aagacactgg ctcttttttt taatcccca aataaatttt 60  
gccccctttt aggccatgtt ccattatctc ttaaaattgg aacctaatc gagaggaagt 120  
aagaagggtc tgttctgtgg ctgagctagg tgaaccccg ggtaggggaa agatgttaac 180  
acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240  
tcaaagctgc cctgcctgtt ttaggaggcg ttccacaaac agattgaggc tcttttagaa 300  
ttgaatttac tcttcagtat tttctaattg tcagctttct aagaggcata tatttttcaa 360  
agaagtgagg atgcagtttc tcacgttgca acctattctg aagtggttt 409

<210> 1504  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 1504  
ctgtaactgt ctatgtacag aaaccgggtct gggtgctttg gcttacaggt taccttgtgc 60  
catacctttg aaacaaggga cctgtccagg ctcccttctg gtgg 104

<210> 1505  
<211> 574  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 342, 393, 410, 413, 463, 493, 495, 499, 523, 548  
<223> n = A,T,C or G

<400> 1505  
gtggaggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60  
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gtcatttca 120  
ctgcatgccg cttttctcac tttggttggg agtttgaagg accatgtaac cacagagatt 180  
agagctccct gtgaaatcaa tcaactgcct tagatctcca caaagacctg ttctccaata 240  
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300  
tgtttacact ctgtactctc caatgggtaa tatttatcat anaaatctaa tcatattctt 360  
catcttgaat ccaacttctg tacagtagca tancgggggtt gcttgctgan acntgaaggg 420  
ttacgtcctt gcccatgcag gtctccaaaa gagtggaaaa atncaagata aaaatggaaa 480  
ggacctcggc gcnanacnc taagggcgaa ttccaccact tgnngccggt actagggatc 540  
caactcgnac caaactggcg aatatggcat actg 574

<210> 1506  
<211> 542  
<212> DNA  
<213> Homo sapiens

<400> 1506  
ccactcactc tcggacgtag accctgggtgc acacaacgtc atccgccgtc atggtcagga 60  
tcagttcccc atcgttgggt agttctcttg tccacgaggt cttggggccc tctcccttca 120  
ggagctttctg ctacagagacc attttattct cactctccca ttccaccagg ctcttacagg 180  
gcctcccatc cacagtctgc tctcctaaact cctccccaac cttgaagtta atctctgtgg 240  
tgcgcacggt ggtggagggt ttgatgtaga aagtgtctcc ctctgtttg atctccactg 300

```

ctggccttggg cgctgcagcc acagcaatct tcctcagcat cacattcacc cccagcactt 360
tgagcaattc ctcgaagttt tccgatcgga tgattttcca gttgccagag aagttgggca 420
tggtggcggc gcgggagggc gtccccgtag actcctaggc tggagcactg gacactgtct 480
tttagtcaaa agagacgtcg ccgctcgccg gtcgtcaggt tctggaacca agacaagtcc 540
ag 542

```

```

<210> 1507
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<400> 1507
aaaatcttgc atggcattaa ttgttccttg cttttatagt tgtattttgt acatthttgga 60
tttctttata taaggtcata gattcttgag ctgttgtgtt ttttagtgca cttaatatta 120
gcttgcttaa ggcatacttt taatcaagta gaacaaaaaac tattatcacc aggatttata 180
catacagaga ttgtagtatt tagtatatga aatattttga atacacatct ctgtcagtgt 240
gaaaattcag cggcagtgtg tccatcatat taaaaatata caagctacag ttgtccagat 300
cactgaattg gaacttttct cctgcatgtg tatatatgtc aaattgtcag catgacaaaa 360
gtgacagatg ttatthttgt attttt 386

```

```

<210> 1508
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 261, 281
<223> n = A,T,C or G

```

```

<400> 1508
ttcaaagaat cactthttagg cttacaaaaa taaatatttg tcaaatgtt caataaatat 60
tacataaaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ctttcctaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat nctctgaatg tgcaataaaa ngaagt 286

```

```

<210> 1509
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 227, 254, 258, 263, 266, 281, 284, 285, 289, 374, 389, 390,
391, 414, 417, 419, 428, 447, 464, 472, 484, 485, 488, 490,
492, 495, 500, 507, 510
<223> n = A,T,C or G

```

```

<400> 1509
ggggagatgg ggagaggaat gatctctgcc cagccccctt ctttccaaac catgcaatgg 60
aagagcccag atgggtgaag attgattttg ccttaactca agagaattcc tgttctcctt 120
gtgctatgat ttggacacaa gattctggat acctggaact tagctgtgta ctctgtacc 180
ctaaacagtg gatttgagtt ccagcgttta ttctthtttc cttthttncag atcaccatct 240

```

```

aagttacatc tttngctnag gtncancctt ctcaagatct nctnnttanc cccccagccc 300
ctgggtgctgt ctgtgggtcag gtgaccttac tcaggagcag atatctcctt ggccgccatg 360
gagcctcatc catncacacg tgcctgtann nttccagagc tcaactgccct tctngangng 420
ccttcccnct tggctttcaa cgggttntgc tcaactctgtt ctgnccaggg tntttaaaaa 480
aaannccntn anaanccggn caccanaan ttttaaccct tttccc 526

```

```

<210> 1510
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 30, 173, 177, 178, 184, 185, 187, 189, 190, 191, 192, 194,
195, 196, 199, 242, 243, 250, 263, 265, 273, 283, 287, 292,
305, 313, 322, 323, 348, 354, 389, 417
<223> n = A,T,C or G

```

```

<400> 1510
aaaaaacatt tcacaaataa gatgtagctn tccaaacaaa tccattcgat gaccattatc 60
acaactatat tttattctaa tttataaaac aaaaaatggg tagacaagca catgagatca 120
agagtcttca acacagtgga ttccatttta ttaagaaaaa aaatagaaaa cangganncc 180
ttanntngnn nnannnctnc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
anntgttccn gtggggccgg ggnngtgccc agngcttttg ggnccancgc cnaagacatg 300
agaantttaa ccttcgactt gnnatttttc ataaaaacta aacatttnct tatnggggtg 360
ggagtaaaaa atcttcctag gccattttta gtggcttaaa aaagggccccc ttttttnccc 420
ct 422

```

```

<210> 1511
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 11, 279, 299, 330, 334, 365
<223> n = A,T,C or G

```

```

<400> 1511
aaaanacagg natctctgca gcaggccatg tgatgctcct taatggccta cataatccag 60
ccctcaagca cctccgtgat ctctgtaaaa ctttcccttg gtcactgtgc ttcagtcaca 120
ttaaccagct tgcataatttc tcacattcac caagcttggt cctgccttgg ggcctttgta 180
cttaccatgt tctgttctga gaatactctg cctcaagata tctacaact atcttactgt 240
attcagcttt tttttttttt tttttttttt acgtcctgnt gatgttaagt cctgttgana 300
gcaccaggta aacactctgc accccttctn ttantagtaa taggtttttc actccttggc 360
ctcan 365

```

```

<210> 1512
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 1512
ccatttggtg gttcaatttt gccatctgtg actggctcac attcttagac atgtcgccac 60

```

```

ctgaggggaa aaaaaaagat tttgagtcag cgtagggagt aatataatca gtataatcag 120
ggtataatag aaagtttgat gaactgagaa aatactaaga aaaaattaca taatcctatc 180
actctaacat aattctttct atttctacat attcccttct aatctttttc tcaattacat 240
actattcttt gaagaccatg taaaattcta tataaaagga catataaaag gcttttttaa 300
ggctacgatt tatgctaata ctttatttat atctgtgaat aagccactat tagcaaaatt 360
g                                                                 361

```

```

<210> 1513
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 1513
aaaaaacatt tcacaaataa gatgtagctt tccaaacaaa tccattcgat gaccattatc 60
acaactatat tttattctaa tttataaaac aaaaaatggt tagacaagca catgatatca 120
agagtcttca acacagtggg ttccatttta ttaagaaaaa aaatagaaaa caagtagtcc 180
ttaaattgtc ttagctctcc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
atatgtttcc atgtggtcgt ggtgttgtcc agtgctatta gggccaaagc accaaagaca 300
tgagaagttt aaccatcgac ttgtcatttt tcataaaaac taaacatttc cttataggtc 360
tggagtaaaa tcttctaggc attttagtgc taaaagtcac ttt                                                                 403

```

```

<210> 1514
<211> 62
<212> DNA
<213> Homo sapiens

```

```

<400> 1514
ggcatgggtg tggttaatct ggtttatttt tgttccacaa gttaaataaa tcataaaaact 60
tg                                                                 62

```

```

<210> 1515
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

```

```

<400> 1515
tttaaataaa aattgtaaag cactccattc aatnaaagca cataagtccc cctcaataat 60
tagtatgaca attcacgata cagctcttac tctgggagag tttattttac cctttattcc 120
aaaaggcaca aagtcacatg aggcctcaga tattaacccc actgcatgtt aatgacacac 180
cactgaggtg cagctcaatg taattattaa agcttataac acacttcccc aagaatttat 240
agattctttc tataaataat aattt                                                                 265

```

```

<210> 1516
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```



<222> 454, 482, 486, 505, 506

<223> n = A,T,C or G

<400> 1516

```
ccataaacac agaagatggt tttggcttta cattgacaca tttctgtgtg tcaatgtaga 60
agagaaaaga agtttaatta taccttttaa gcaggcaaac cattataata aactgcttta 120
gaaattactt taaaattata cacatttgga acaacagatt ttttaaaaaa tgaagtttgg 180
tgttatgtca gcattttaac tatttttgct atagcgaggc ctctcatat attatcataa 240
tttatcatag tttaaatagt gaatcatatt ctgatattct gattaataat catattaatt 300
ttgacaatga ttttagtttt tgaagtttta gactgcaata cttaaaaagg ccataatcta 360
ctttaattac ctccatccta gattattaac tataaataaa atgtttatat gatatttgga 420
ttaggtacat ggtacaatat ctgtttttac ctgnaagcat gaaaatgtct taaaaggtaa 480
antaanaaca gccaaaagggt agtgnntttt taccctcggg cc 522
```

<210> 1517

<211> 248

<212> DNA

<213> Homo sapiens

<400> 1517

```
gttgtagcat gtgtcaattt tcttcttttt taaggctgaa taatatttca ttggatgtct 60
ataccatgtt ttgtttatcc atggtctgtc gatggacacc aatgttgctt ccatcctttg 120
gctattgtga ataatgctcc tgtgaacatg ggtgtacaaa tatctcttca agaccctaaa 180
ggtggaactg ctggacgatg tggtagcaga gtagctatit taaccttttc attataaaga 240
aacctttt 248
```

<210> 1518

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 27, 28, 186, 227

<223> n = A,T,C or G

<400> 1518

```
ttttattttt ttaccaattc caatttnnaa atgtctcaat ggtgctataa taaataaaact 60
tcaacactct ttatgataac aacactgtgt tatattcttt gaatcctagc ccatctgcag 120
agcaatgact gtgctcacca gtaaaagata acctttcttt ctgaaatagt caaatacgaa 180
attagnaaag cctccctat ttttaactacc tcaactggtc agaaacncag attgtattct 240
atgagtccca gaagatgaaa aaaattttat acgttgataa aacttataaa tttcattgat 300
taatctcctg gaagatttgt tt 322
```

<210> 1519

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1519

```
ctgatctcta cagccacca cctgtttcat gtgcatggga agagtaaaaa atgaaccggg 60
ataaaataaa acaaaagcaa acaaaatgct aaatcattgg ttattatcca catcaaataa 120
gtctggttct gtggaatata taaaagtcac agttttatgc ctttaactac tatacataag 180
ggatgacttt ttaacctcca gggcttatac aacaaaacac acctcagaag cttatataac 240
```

```

aatatactac tttttccatt ttatcaacaa ttcagcctgc cttaagctac aaagtaaaat 300
aattagacaa ctgtgatatc aaaacaaaga ttatgtaag 339

```

```

<210> 1520
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<400> 1520
ctgcaggcag tggggacttg gggactagaa caggcagggg ggtggagagc tattctggtg 60
ggatgtccta ggggctgatg aaagtgaagg ttgacagcag ctttggttcta aaggagctta 120
aagagaaaag agtggccggg cgcagtggct caagcctgta atcccagcac cttgggaggc 180
cgaggcggg 189

```

```

<210> 1521
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 406, 422
<223> n = A,T,C or G

```

```

<400> 1521
gttggactgc aaattgagtt tctttctctt taggcctttc acaactagga ctgagaatgt 60
atgcaaaagt tctgtgacag tacagaagga aaacaacttt ttatgtatag cttctaaaag 120
ggaaaaaaaa aaaaaaagag aaaccctttg acttccacgt gcccattctca agacattcca 180
ctcacagatt tgagggttctg gattccaggt ctggagtttt ccaatgttaa tgtaaacaga 240
actggcacac acacattaag atgaatgtaa ttattattcc tcttgctggt cactaccgtc 300
gctttctatt tctctttctt tgtgtgaatt tatttaaaag aaaaaaaaaa tttttgtaac 360
gactatttgc agtttaaaaa tcaataaacc ccgttttttc aagaancgaa aaaaaaaaaa 420
angaaaaaaa aaaaaaagct tgtac 445

```

```

<210> 1522
<211> 349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 6
<223> n = A,T,C or G

```

```

<400> 1522
cattnngatg acagcctacc cagatgtggc cccgaggaag gatcaataga taaattatcc 60
accagtgtat ccagctcaag taccttcaac tgagttaaat tcatattagt gtgtttttcc 120
aaaacatgaa tttcatgagc caatatgtca gcaacataga tatacttatt atcaggtgaa 180
atattgatcc catttctctg atcaaatcct tctgctacca ctttaacttc atttgactg 240
tagtaaacaa catttgccca gtgtaagtgc aagtatgttt ctaaatactt taagaaagga 300
tcagagaagt agtggtcatt tgtggcatag aaatgtgccg gtccaacag 349

```

```

<210> 1523
<211> 157

```

<212> DNA  
<213> Homo sapiens

<400> 1523  
tatgcagatt atttgcccaa agttgtcctc ttcttcagat tcagcatttg ttctttgtca 60  
gtctcatitt catcttcttc catggttcca cagaagcttt gtttcttggg caagcagaaa 120  
aattaaattg tacctatitt gtatatgtga gatgttt 157

<210> 1524  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 1524  
aaaatctctg gtttcaaagt ttcttgggga aaggctcggtt tacctcacat tttttgtttc 60  
cattagtaat attctaggta cctcacaaaa tgtattatgg tgccatggct gttagttttt 120  
agcgagtgtc gtaggattaa ttcgaaaata ggcagaattc cattcctccc aagggtggcaa 180  
aaattagcta tactgatgta attgtcattt acctgggtat gaattccctg acacacattc 240  
atgtcaacat atgtagcaaa ttttgtgaaa acataacaat ttgaagcttc tgtaattttg 300  
agcactgtct taacaacaag cataatataa aattagttag attttgcaag tctacaaatg 360  
agctcttgca acagaactca cagccttttt acttttttcc cctaacttta gcaatgtagt 420  
atcttgagcc attaatTTTT ggggtttttt t 451

<210> 1525  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 1525  
tatagcctgc gcgctccagg actgcctacc cagcactacc ccaaaccccc agttccaaac 60  
ccgagacttc aggcccgccc ccttacgcgt tgtctcattc caccaaattc agaatatit 120  
cacaatgcct tcatgatitt atttttctgg aaattgaagt gtcaattggg ttctcaatat 180  
ttcatgactc caaggatgca ttaaataatt atttgtggta agagaagat 229

<210> 1526  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 548  
<223> n = A,T,C or G

<400> 1526  
ctgacatccg gcctgcttct tctcacatga caaaaactag ccccccacctc aatcatatac 60  
caaattctctc cctcactaaa cgtaagcctt ctccctcactc tctcaatctt atccatcata 120  
gcaggcagtt gaggtggatt aaaccaaacc cagctacgca aaatcttagc atactcctca 180  
attaccacac taggatgaat aatagcagtt ctaccgtaca accctaacat aaccattctt 240  
aatttaacta tttatattat cctaactact accgcattcc tactactcaa cttaaactcc 300  
agcaccacga ccctactact atctcgacc tgaaacaaac taacatgact aacaccctta 360  
attccatcca ccctcctctc cctaggaggc ctgccccgcg taaccggctt tttgcccata 420  
tgggcccatta tcggaagaat tcacaaaaaa caatagcctc atcatcccca ccatcatagc 480  
caccatcacc ctcccttaacc tctacttcta cctacgccta atctactcca cctcaaatac 540

acttactncc ccataatcta acaacgtaaa a

571

<210> 1527

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 54, 63, 152

<223> n = A,T,C or G

<400> 1527

gtgtgagcaa ccagtgtagt gactcttttg ttcatatttc gtgttgtttt tatncttagt 60  
cantgtgtga cccaacagtg gcagggggta caacccccctc tcctttcttt tttgtattta 120  
tctatttgta ggattgtcag atcaagtaca anatgcccac ttaagtttga a 171

<210> 1528

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 545

<223> n = A,T,C or G

<400> 1528

aaataacatc aactcacaaa tgacttttag aagccaaata aacatttcta ttttagagaa 60  
tagtatgtaa tacataactt aaaagcatat agaacacata ttcctacatt cttaaaaata 120  
agagattgtg attccacaga gaatttttca aatatctaaa gtatgtcctg ttaaaccac 180  
aatttgcttc caaacaggag tctcttttga gaagctaaat attaattttc aaacaactat 240  
ttctccattt gttaactgga atcattcata ttaaaacaaa ggtctttatg tcaatgtatg 300  
ttaatatggc tgaaggctcc agccctgagt tattttttta cttccttaaa ttcataatta 360  
caacatatat caatttgagg tatcatgaca aaaacagaaa caaaagacac aatggtagat 420  
gagaatctat tccctgtgag aagaggcaaa attagtgtgg acctcatttt tctgacctat 480  
aaaactagga agtataatca cattacttgc gacaattttt tcttctaaaa tgccctgaatt 540  
tgaanggaga ctctgccttc tccctgcccg g 571

<210> 1529

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1529

ctgacttctt ttcaagttcc cacattagga cattgatcag atgtgaattt ttaattacaa 60  
tcggcacttc ttcaaactg tactcaaagg tgatatattgc ttttttcaat gcttcagggg 120  
aaaaatcctt ttcttttcaa acttccatca gtttaggagt cagtctgtat gccttttagtg 180  
agagagatcc ttgggcagtt tttatgggat cataaatgag aacgacagat tcttcaatgg 240  
catgctggta actaaactga gagtccagga gtgcccgggt aacgaatgag ccatagtatg 300  
tggactgata ccagcccacg tgaagatgat caatgtttac atggcgaagg ctccgcatca 360  
tttccatctg atattggact tcatcaaagt cagcatcatc ctctgtgtgt tgagggaaaag 420  
gaaagcagtt ggtaatttca agccgatctt ctacaaccag acccaaaagc actccttgaa 480  
caacttcagt tccttgtcct tcttcttgat aatgtttgat tatctttaat accacaaggc 540

```
catctatctg cacttgcttc acggctgaat ctcccagacc gcctttgcct ttgcctttcc 600
ctgctgcgcc ggcggtggag c                                     621
```

<210> 1530

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 28, 290, 323

<223> n = A,T,C or G

<400> 1530

```
aaaaactgat tacagcaaat gaaacacngt tgtctaagt ataatagtata caaaaataac 60
atcttgattt ctgtgaaaat gcatttctct gcaattcctg aatagctcca aattatgcta 120
actctgagca ttgatgttta ctctgggttt tagatttagg tctttgaaaa taatgtgttc 180
taaacctttg ccatacccat ctatgtgtcc aacatcaaca ctgtgatgaa gttgttcctg 240
tttaggcttt tattccgatt tctctcgaac agccattaac atgcatgttn atctttttgt 300
ttactcccac tcaactgtat gtnct                                     325
```

<210> 1531

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 593, 610, 620, 655

<223> n = A,T,C or G

<400> 1531

```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaatata atctgtgttt ctgaccagtt gaggtagtta 120
aaataggagg ggccttttcta atttcgtatt tgactatttc agaaagaaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtattatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaaagagaag tatcattttt ctttgtcaaa ttatactgtt tccaaacatt ttggaaataa 420
ataactggaa ttttgtcggg cacttgcaat gggtgacaag attagaacaa gaggaacaca 480
tatggagtta aatttttttt gttgggattt cagatagagt ttggtttata aaaagcaaac 540
agggccaaag tccacaccaa attcttgatc aggaccccca atgtcatagg ggngcaatat 600
ctaccaatan ggtagtctcn cagcccttgc cgtgttcgat attccaaaga ctggnntttgc 660
tccattccc                                     669
```

<210> 1532

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1532

```
ggtacaacct gcaaattact tgcagttctg agtttcagat aaaacattat aaaacattaa 60
attcaatata tactgtctct ttgaaatttg ggtaaaaaat tgtacaaccg tatatatagt 120
catttttgta ttttttctat gttgtgaaaa caaaatttgt aattttataa gtctttgatt 180
```

cactaaaatt atataattt

199

<210> 1533

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 53, 56, 69, 98, 101, 122, 131, 146, 162, 177, 194, 211, 301

<223> n = A,T,C or G

<400> 1533

```

tttttttttt ttttttttcc ttggaccata aattttttatt ggcaggtcag ganaanagcc 60
gggggtaana gtcccttcct tcccatccct ctaccanana nacaccctcc aaaggacagc 120
anaagcccca nagcctgctg cctcanagga ccttggaggc anacaaattg ttgtagngat 180
cttcctgtcc ctcnagcagg ctgcggtagg nggcaatctc ctgctccagc cgcgacttga 240
tgtccatgag ccgctggtac tccctgattct gccgctcact atcagctcgc acatcgccca 300
n 301

```

<210> 1534

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 435

<223> n = A,T,C or G

<400> 1534

```

ccaccacatc tttattgcat actcagggtga ataacttatt atacaatgaa cactcctcca 60
ttaggagacc atgcccactt acagaatgca gccgtaaatg cggtaaactt atttacagag 120
gttgggggtgc aagatgagag aagtatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgctagttag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttggggacag tgcaagaaga 300
gaggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcgggggt gccancaagt tggcttccag 450

```

<210> 1535

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1535

```

aaaaaaaaaa tcaaaggcaa tcattctaaa tgtactatga tagcatgtta aagatgcaag 60
tatgctatag aaccaaagta atatgaacag cactactcat tacctaggag aaagggtgact 120
ggttttcaca caaagctaag cctgtaacag tcatcctaata cacaatggct tataaaagca 180
tcagggtttcc agtagagaaa ctattctagg aaagtcagta aatctcttga aagtttcaca 240
tctgtaaaac caggataagg ctacaactat ttgaaatct gaacaaggta tcagatgaaa 300
gagtaagatt cccagccata atgtaagata gaaaggctct catgcagcat atgctcgctg 360
gctccgggaa ggcttcacgt gcataatata gaagttgcc aagaaggaaa ctggagacgt 420
tcagctacat ttccatgggtg ccgtgaattt t 451

```

<210> 1536  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 1536  
 ccacagctaa catcattgca gcacctttac tccttcggct ttttgccagc accaacattg 60  
 gcctttgcag tccccctgac tttcttcatt ctgttcttgc gttcctttcg ttgctttcct 120  
 gaggtctttt tcttctcata caggccatgt cttgcaagtc tatgtttggg ttcatttttc 180  
 tttgcataat ccagggaatc ataaatcatg ccaaagccag ttgtcttgcc accaccaaaa 240  
 tgagttctga atccaaatac gaagatgaca tccgggtgtg tcttgtacat tttggctagt 300  
 ttttcccgaa tttctgtctt aggcactgtc gccttcccg ggtgaaggac atcaatgacc 360  
 atttg 365

<210> 1537  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 1537  
 ctgttgacaca cttggactgt caccttctcc aggctggcag ttgatatctt attttttttc 60  
 caactcattt ttattaaaaa aataaaaaaa tgctccaact atcagcttta caaaatctct 120  
 aagggaacaa caagagcaag gtgctgaggt aaaaacacct gaggtagctt cttctgtgtg 180  
 tttttctcgt taaaaaaatc tgtgaattta acgccctggg ccaacaacct tggtaaattt 240  
 ctactttcct ccacattttt ttt 263

<210> 1538  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 28, 39, 45  
 <223> n = A,T,C or G

<400> 1538  
 ccagagtgac caggctgacc agcaccancc ctgatccana tgcanaggcc aggatgtggg 60  
 cccagccctg tgccaggagg ctggctggaa taaaggtaca gatagaggcc tcacccctc 120  
 tgggaccact ggcaactcagg gtgtttgcag cctcagagcc cacctgcccc cagggccaca 180  
 g 181

<210> 1539  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 1539  
 catcatcgat gtggccccct tggacgttgg tgccccagac caggaattcg gcttcgacgt 60  
 tggccctgtc tgcttctgt aaactccctc catcccaacc tggctccctc ccaccaaac 120  
 aactttcccc ccaaccggga aacagacaag caaccctaac tgaacccctt caaaagccaa 180  
 aaaatgggag acaatttcac atggactttg gaaaatattt tttcctttgc attcatctct 240  
 caaacttagt ttttatctt gaccaaccga acatgaccaa aaaccaaaag tgcaattcaac 300

cttaccaaaaa aaaaaaaaaa aagaataaat aaataacttt t

341

<210> 1540

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 26

<223> n = A,T,C or G

<400> 1540

ctgccgacgg agagtctcat tttggnaagt atccgagcaa aacaaaaaca aaacaaaaac 60  
 caaataaaaat ggtggttttag cagagacgcg cacattcaca ttgcacaagg cactgctggg 120  
 gcacagaggc cagatacaag tgttgatata ggctggtaaa gcaaaatatt tggaaagctt 180  
 gtcataactc cggtcctctt gggatggact gatcgtgctt cgtgttccta 230

<210> 1541

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 449, 457, 464, 467, 468, 472, 476, 482, 484, 488, 489, 490,  
 491, 495, 496, 497, 498, 499, 501, 502, 504

<223> n = A,T,C or G

<400> 1541

tgttattgct gttattgtgg ttgtggtgat agcagttggt gctggaattg ttgtgctggt 60  
 tatttccaga aagaagagaa tggcaaagta tgagaaggct gagataaagg agatgggtga 120  
 gatgcatagg gaactcaatg cataactata taatttgaag attatagaag aagggaaata 180  
 gcaaattggac acaaattaca aatgtgtgtg cgtgggacga agacatcttt gaaggtcatg 240  
 agtttgttag tttaacatca tatatttcta atagtgaac ctgtactcaa aatataagca 300  
 gcttgaaact ggctttacca atcttgaaat ttgaccacaa gtgtcttata tatgcagatc 360  
 taatgtaaaa tccagaactt ggactccatc cgttaaaatt atttatgtgt aacattcaaa 420  
 tgtgtgcatt aaatatgctt ccacagtcna aaacagnacc aaanaannca cngaanaaaa 480  
 aacntacnnn naaannnnna nngnttg 507

<210> 1542

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1542

gagaaactgt gtgtgagggg aagaggcctg ttctgctgtc ggggtctctag ttcttgcaag 60  
 ctctttaaga gtctgcaact gaggaactcc tgccattacc agctcccttc ttgcagaagg 120  
 gagggggaaa catacattta ttcatgccag tctgttgcat gcaggctttt tggcttccta 180  
 ccttgcaaca aaataattgc accaactcct tagtgccgat tccgcccaca gagagtccctg 240  
 gagccacagt cttttttgct ttgcatttga ggagagggac taagtgtctag agactatgtc 300  
 gctttcctga gctaccgaga gcgctcgtga actggaatca actgcttcag ggaaaaaaaa 360  
 aaaaaaaaaa a

371



<222> 11, 27, 88, 170

<223> n = A,T,C or G

<400> 1546

```
cctgagggga naccaccttc tgatganaac caacccttag ctaccactct gtattcatca 60
ggggaggggt ataaacccca catgcaanaa gaacccttgc cccagtgtc aaatgggatg 120
gggatgctag agttatagta aaggggaaac cctatgtaag ctgttaacan agttcacagg 180
ggtagggata acccctgttc tccagctccc aaatgtgctc actttcccag cttcttcac 240
cgttcatcaa tgctggcaaa gttcccctca actgtgg 277
```

<210> 1547

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 28, 48, 49, 51, 58, 73, 82, 83, 84, 89, 90, 104

<223> n = A,T,C or G

<400> 1547

```
caacagtcgc tccctggacc tggacggnat catcgctgag gtcaaggnc ngatatganga 60
gatggccaaa tgncaaccgg cnnaggttn aaccctggta ccanaccaag tttgaggccc 120
tccaggccca ggctgggaag catggggacg acctccggaa taccgggaat gagatttcag 180
agatgaaccg ggccatccag aggctgcagg ctgagatcga aaacatcaag aaccagcgtg 240
ccaagttgga ggccgccatt gccgaggctg aggagcgtgg ggagctggcg ctcaaggatg 300
ctcgtgccaa gcaggaggag ctggaagccg cctgcagcg ggccaagcag gatatggcac 360
ggcag 365
```

<210> 1548

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1548

```
aaaaaaaaat gatattaaat gtgacacttc agagctacta ctggaaggag taattcgtaa 60
cttccctacc ctccctccat ccctgctgat tcaggagaag ggggaaaaaa caaagaaaac 120
aaaacgaaaa accaaccagg gtctcttgta gatttgctgc tattccacaa aatgttggca 180
tttgctgcca tgccacaatg ttggtccact gaaataggat ttctgcggaa actgtcaaca 240
gtagtaattc accatatgca agtaccatcc ttatcatgcg agaataatca caggttctgt 300
agaaatgtac aatgtgctta agataatgaa aattgtagcg ctgcatctga gatttatttc 360
tctacttagc tagtaaaact tgtcattttt gctcacttaa gtatgatcat ttgtgattcc 420
ttt 423
```

<210> 1549

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 113, 170, 199, 201, 216, 226, 231, 234, 236, 246, 252, 253, 257, 259, 263, 274, 276, 280, 287, 293, 310, 340, 360, 362, 368

<223> n = A,T,C or G

&lt;400&gt; 1549

```

aaatagcatt tatctcagtt ggctctatgc cagttgggtct tggatttggg gtaaggggggt 60
attgcaggta aaaagagggtg aagcagattc tggctttcag tttcttagct canaaattcc 120
agcaatccct gtagttcttt gcatccctc accacctctg gaatagaaan caggggtctta 180
taaatatgct gaaccatgnc ntctaatttt tctaancctt ttgcanaacc nccnanggtt 240
ttcctntagg anntttntnt ggntctggac ctgnancatn agttttncct tcncattttt 300
catctccagn aacatcctct cagtttgccc acctcctgan agagccacac tttctcctgn 360
anccaatngg gggg                                     374

```

&lt;210&gt; 1550

&lt;211&gt; 341

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1550

```

agaggattga gtaagtagtt ggatggcttt cataaaaaaca agaattcaag aagaggattc 60
atgctttaag aaacatttgc tatacattcc tcacaaatta tacctgggat aaaaactatg 120
tagcaggcag tgtgttttcc ttccatgtct ctctgcacta cctgcagtgt gtcctctgag 180
gctgcaagtc tgtcctatct gaattcccag cagaagcact aagaagctcc accctatcac 240
ctagcagata aaactatggg gaaaacttaa atctgtgcat acatttctgg atgcatttac 300
ttatctttaa aaaaaaaaaaag gaatcctatg acctgatttg g                                     341

```

&lt;210&gt; 1551

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1551

```

aaatccttga ggggtacagc atcactcggg ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccagatt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgcac tgtgttggtc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aatggcctt g                                     311

```

&lt;210&gt; 1552

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1552

```

ctgctgcctt catattgaag gtttttgagt tttgtttttg gtcttaattt ttctccccgt 60
tccctttttg tttcttcggt ttgtttttct accgtccttg tcataacttt gtgttgagg 120
gaacctgttt cactatggcc tcctttgccc aagttgaaac aggggcccac catcatgtct 180
gtttccagaa cagtgccttg gtcacccac atccccggac cccgcctggg acccccaagc 240
tgtgtcctat gaaggggtgt ggggtgaggt agtgaaaagg gcggtagttg gtggtggaac 300
ccagaaacgg acgccggtgc ttggaggggt tcttaaatta tttt                                     345

```

&lt;210&gt; 1553

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 1553
cactctcctg ttgactatatt ccagagctct aggtgttttag gcagcgtgtg gtgtctgaga 60
ggccatagcg ccatcatggg ctgattttta ttaccagggtc cccagaagc aggtgggagg 120
ctctgcttcc tgctgccgct ctgcagcctg gacctgtgga ccctggttgt aaagagtaaa 180
ttgtatctta ggaaaccagt gtcacctttt ttccaccttt taattttata ttatttgcgt 240
catacatctc ctgtaacgga agtggttaatt ttactgtact ttttggtagc ttttgggaat 300
ctaattgtatt gtaagggtatt ttacacgtgt cctgattttg ccacaacctg gatattgaag 360
ctatccaagc ttttgaaata aaattt                                     386

```

```

<210> 1554
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 86, 140, 184, 223, 239
<223> n = A,T,C or G

```

```

<400> 1554
cttttctgaa aaaaaaaaaa aaaaaaaaaa aaagcttgtn caaaaaaact ttttttgcca 60
tccatcctgt gcaatatgcc gtgtanaata tttgtcttaa aattcaaggc cacaaaaaca 120
atgtttgggg gaaaaaaaaa aaaaaatcat gccagctaata catgtcaagt tcaactgcctg 180
tcanattgtt gatataatcc ttctgtaaat aacttttttt ganaaggaaa taaaatcan 239

```

```

<210> 1555
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 1555
ctgggtcaca tccatccctc cattcatcct tccatccatc tttccatcca ttacctccat 60
ccatccttcc aacatatatt tattgagtac ctactgtgtg ccaggggctg gtgggacagt 120
ggtgacatag tctctgccct catagagttg attgtctagt gaggaagaca agcattttta 180
aaaaataaat ttaaacttac aaactttgtt tgtcacaagt ggtgtttatt gcaataaccg 240
cttggtttgc aacctctttg ctcaacagaa catatgttgc aagaccctcc catgggggca 300
cttgagtttt ggcaaggctg acagagctct gggttgtgca catttctttg cattccag 358

```

```

<210> 1556
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 1556
cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtgggtgaa 60
aatgcacagg agcttggttag actgcggggg aaagagagag ctcttttcgc catgttttac 120
cagtctgctg ttataacctc ttaggttgta tcctttaatt tccagccttt taggttagtt 180
tctgtaacag aacaagtgag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
tttgtttttg taatagctta acaataaac ctaggttttc caaaaaaaaa aaaaaaaaaa 300
aaaaaaaaa                                     309

```

```

<210> 1557
<211> 152
<212> DNA

```

<213> Homo sapiens

<400> 1557

```
tttaaaaatt gaaaaaagtg gaaaacatct ttgtacatTT aagtctgtat tataataagc 60
aaaaagattg tgtgtatgta tgTTtaatat aacatgacag gcactaggac gtctgccttt 120
ttaaggcagt tccgttaagg gTTTTgttt tt 152
```

<210> 1558

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1558

```
ccatagctgt aataacaatg acaacagtag gtaacggtag tcataccaac agtagggcag 60
tgcatTTtat attacaactg gTTtcttgct ctagtaggct tggggatggg tgaagacgga 120
cagggtggc gcagaccctt tcttctcct ctccagccca cagtgatctg ggctTTtaca 180
agacagcctg cttccattca gtagtgtggg aaagttcctt cttggcttag caatacccct 240
gagacctgt tcaTgggct gtgtctctcc ctgggatgct gggagcacca agtgtggccg 300
agctagggt gctgacttcc tctgggcgcc tctgggctgc gagggTctct tacaggaatt 360
gaggcccttt g 371
```

<210> 1559

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 24, 25, 104, 349, 350, 396, 399

<223> n = A,T,C or G

<400> 1559

```
aaaaaattta actccatatg tgnnctctt gttctaattc tgtcaaccag tgcaagtgc 60
cgacaaaatt ccagttatTT atttccaaaa tgTTtgaaa cagnataatt tgacaaagaa 120
aatgatact tctctTTTT tgctgttcca ccaaatacaa ttcaaTgct tTTgtTTta 180
TTTTTTtacc aattccaatt tcaaaatgtc tcaatggTgc tataataaat aaacttcaa 240
actctTTatg ataacaacac tgtgttatat tctTTgaatc ctagcccatc tgcagagcaa 300
tgactgtgct caccaggtaa aagataacct tctTTtctga aatagtcann atacgaaatt 360
agaaaagccc tccctatTTt aactacctca actggncang aaacacagat tgggttct 418
```

<210> 1560

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 420

<223> n = A,T,C or G

<400> 1560

```
cttagagtct tttgtgccat aatgcagcag tatggaggga ggattTTatg gagaaatggg 60
gatagtcttc atgaccacaa ataaataaag gaaaactaag ctgcattgtg ggTTttgaaa 120
aggTTattat acttcttaac aattctTTTT ttcagggact tttctagctg tatgactgtt 180
```

```

acttgacctt ctttgaaaag cattcccaaa atgctctatt ttagatagat taacattaac 240
caacataaatt ttttttagat cgagtcagca taaatttcta agtcagcctc tagtcgtggt 300
tcatctcttt cacctgcatt ttatttgggtg tttgtctgaa gaaaggaaaag aggaaagcaa 360
ataccgaatt gtactatttg taccaaactt ttgggattca ttggcaaata atttcagtgn 420
ggtgtgttat taaataagaa aaaaaaaaaat tttgtttcct aggttgaagg tctaattgat 480
acgtttgact tatgatgacc atttatgcac tttcaaatga atttgctttc aaaataaatg 540
aagagcag                                     548

```

```

<210> 1561
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 1561
aaatgtcatt ggaaaagttt tattgaaaaa aaatgtacaa ataagttctt ggattgatag 60
caacaaaggc tcatgttccc ctttccctcc ctatctttga agaactaaaa aaggaagaaa 120
caaaacaaaa agctcatccc cacaacgcca gacacgatgc ttcttgacca gagtcttccc 180
agaagcccct cctgggagct ctttctcaat ccgcctcact gcggccaggt cattctgggg 240
gtgcctggtc ccaggggctg cagcgcctag ttttatagtt gggagagggt gggatagagc 300
tggggaggca g                                     311

```

```

<210> 1562
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 92, 95, 143, 152, 236
<223> n = A,T,C or G

```

```

<400> 1562
ataatggact tttctgtaag aatgtaaaac tcaaaaattn gccaaagtatg tatctgatcc 60
acacaaatcc ttagaaagggt tttctgtgta gntcncatta acgcaaactt ttgggaatgt 120
ttcactctta ctgtagagat ctngaatatg cntcacaata atgaagctac aaagttttta 180
tgcagtgcac tcattgtaaa ctataaataa catttgtatt aaaaggaaaag ctgggnaata 240
caaaaatagg agagactctg aggagc                                     266

```

```

<210> 1563
<211> 78
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 60, 67, 74
<223> n = A,T,C or G

```

```

<400> 1563
caaataataa attagttaaa tcagtttctg agttatgccca ctggctgatg aaaagttgan 60
aggtctnttt gcanaatg                                     78

```

```

<210> 1564
<211> 261

```

<212> DNA  
<213> Homo sapiens

<400> 1564  
ctggtaaagg tgactgtaca gatgtgcatt ttccttttgg tataaatggg ccacagcact 60  
aactggtaag gcttattgta cagtatatgg tcagtattct tctgggttcag cataccttat 120  
agttcatata taacctgtat taattgtata gattgtgcat taaaagctgt taccaagttg 180  
tcagaacata agagcgaaaa caaggtcata tgtaatatatt tgtttgtaag tatcctttgt 240  
atcatagcaa aggaaatggt t 261

<210> 1565  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 1565  
ctgactcctt gaatatccag tgtgacccat aaaatagtct gttaataccg gatcttaatt 60  
tttatgttat tcattaagat tttaactata ttcagtacgt aatttgagaga caaactagca 120  
tcatacaaac tgcctgtaaa tagggtgttt agtctttcta taaaaacaga atagggcagt 180  
tacctaccag ttaaaatata ttatatgaag aaaatagaat aaagatccag tcatatatgt 240  
aaataagatg tactgattgt acgtaaatga aaaatggacc ctttaaaaaat tattttttacc 300  
tgaagcttgt cataattttt tt 322

<210> 1566  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 296, 299, 331  
<223> n = A,T,C or G

<400> 1566  
aaagtttgct aaatccttagc acaaatgcag attcccagag ctcttctgat tttgaagttc 60  
cctcaactcc agaagctgag ttacctaac gagagcattt acaatatatta tatgagaagc 120  
tggcaactgg tgagagtata gcagtcacaaa aaagaaaatg ctcaactctta gatacctaag 180  
aattcaaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tggcagtcaa 240  
tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctgggt ggggtgngng 300  
gtcacactt gtaatcccag cactttgagg ngggcaatgg cttgagccca ggagttcgac 360  
accagcctgg 370

<210> 1567  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 1567  
ccaccactca cgtcccaggt gacgttttatg acatgcccgc ctgtcctggt acccccttgc 60  
tcagaaacct tcaggagtta gccaccgccc ataggacaag gttccaaggg gcttt 115

<210> 1568  
<211> 181  
<212> DNA

<213> Homo sapiens

<400> 1568

```
gctgccccag ggcctgggaa ggaggccgct atgcagggta gcaactgggaa caggagaccc 60
acctgaggct cagccctagc cctcagccca cctggggagt ttactacctg gggaccccc 120
ttgcccagtc ctccagctac aaaacaattc aattgctttt ttttttggtc caaaataaaa 180
c                                                    181
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<210> 1569

<211> 497

<212> DNA

<213> Homo sapiens

<400> 1569

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actattaata gccaccagtc cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaacaaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
gggtacaatgg ggaacgcctg atgttggagg aaagcaggag gacttttagag tggagttgca 420
ttctaattctc tctgccgctt caactatgtg acctggggca aatgatataa actctatgag 480
cctcttttcct tatctttt                                                    497
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<210> 1570

<211> 413

<212> DNA

<213> Homo sapiens

<400> 1570

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tccagaacat tccttgacag agtatattca ccatttagaa gtgatccagc aaagattggg 180
aggggtacta ccagattcta cttcaaagaa atcctgccac ccgatgatta aacagtgaat 240
gaaatgtcat ggctctttcc tgcgacaatt ctatttgagg aaaagatttg tttttccctt 300
ttccaagga agctcgtggg acagcatggg cactactctt catgtgcggt gacaccagcc 360
cccagatgcc ttgaattaag tgtcctcacc tttatgcatg actgcaaagc cag          413
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<210> 1571

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1571

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ggcatgggtg gcaaatacaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc tttttctata cttgcttgca 300
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gtttcttgaa ggattcttgt cctttt                                                    385
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<210> 1572

<211> 155